

A-527A.ST25.txt  
SEQUENCE LISTING

<110> FEIGE, ULRICH  
LIU, CHUAN-FA  
CHEETHAM, JANET C.  
BOONE, THOMAS CHARLES  
GUDAS, JEAN MARIE

<120> MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

<130> A-527A

<140> 09/563,286

<141> 2000-05-03

<150> 09/428,082

<151> 1999-10-22

<150> 60/105,371

<151> 1998-10-23

<160> 1157

<170> PatentIn version 3.1

<210> 1

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ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc      96
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20 25 30

atg atc tcc cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc      144
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35 40 45

cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag      192
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
50 55 60

gtg cat aat gcc aag aca aag ccg cgg gag gag cag tac aac agc acg      240
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65 70 75 80

tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat      288
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
85 90 95

ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc      336
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
100 105 110

atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag      384
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
115 120 125

gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc      432
Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
130 135 140

agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg      480
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145 150 155 160

gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc acg cct      528
Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
165 170 175

ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc      576
Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
180 185 190

gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg      624
Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
195 200 205

atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg      672
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Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser  
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
65 70 75 80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
85 90 95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
100 105 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys  
225

&lt;210&gt; 3

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (18)..(18)

&lt;223&gt; Methoxy-polyethylene glycol (5000 Dalton)-sulfoacetyl group attached to the sidechain.

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Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
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&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (18)..(18)

&lt;223&gt; Methoxy-polyethylene glycol (5000 Dalton)-succinimidyl group attached to the sidechain.

&lt;400&gt; 4

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15



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Cys Pro Pro Cys Pro Ala Pro Glu Leu Gly Gly Pro Ser Val Phe  
10 20

ctc ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc cgg acc cct 152  
Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro  
25 30 35

gag gtc aca tgc gtg gtg gtg gac gtg agc cac gaa gac cct gag gtc 200  
Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val  
40 45 50

aag ttc aac tgg tac gtg gac ggc gtg gag gtg cat aat gcc aag aca 248  
Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr  
55 60 65 70

aag ccg cgg gag gag cag tac aac agc acg tac cgt gtg gtc agc gtc 296  
Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val  
75 80 85

ctc acc gtc ctg cac cag gac tgg ctg aat ggc aag gag tac aag tgc 344  
Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
90 95 100

aag gtc tcc aac aaa gcc ctc cca gcc ccc atc gag aaa acc atc tcc 392  
Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser  
105 110 115

aaa gcc aaa ggg cag ccc cga gaa cca cag gtg tac acc ctg ccc cca 440  
Page 5

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135					140					145					150		
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Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly		
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Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp		
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Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp		
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	200					205					210						
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Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys	Gly	Gly		
215					220					225					230		
ggg	ggg	ggg	atc	gaa	ggg	ccg	act	ctg	cgt	cag	tgg	ctg	gct	gct	cgt		776
Gly	Gly	Gly	Ile	Glu	Gly	Pro	Thr	Leu	Arg	Gln	Trp	Leu	Ala	Ala	Arg		
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<210> 6

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<213> Artificial Sequence

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<223> FC-TMP

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Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser		
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His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu		
	50					55					60						

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
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Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
85 90 95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
100 105 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
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Ser Pro Gly Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg  
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<222> (39)..(842)

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Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	
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Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	
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Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	
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Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	
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ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	aag	tgc	344
Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	
			90					95					100			
aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	392
Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	
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aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	ccc	cca	440
Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	
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Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	
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cag	ccg	gag	aac	aac	tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	584
Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	
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ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	632
Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	
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Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	
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Gly	Gly	Gly	Ile	Glu	Gly	Pro	Thr	Leu	Arg	Gln	Trp	Leu	Ala	Ala	Arg	
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Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg  
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caa tgg ctt gca gca cgc gcataatctc gaggatccg 861  
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<213> Artificial Sequence

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Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu  
20 25 30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser  
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
65 70 75 80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
85 90 95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
100 105 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

A-527A.ST25.txt

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg  
225 230 235 240

Gln Trp Leu Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Ile  
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Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly  
10 15 20

ggc att gag ggc cca acc ctt cgc caa tgg ctt gca gca cgc gca ggg 152  
Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly  
25 30 35

gga ggc ggt ggg gac aaa act cac aca tgt cca cct tgc cca gca cct 200  
Gly Gly Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro  
40 45 50

gaa ctc ctg ggg gga ccg tca gtt ttc ctc ttc ccc cca aaa ccc aag 248  
Page 10

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gac Asp	gtg Val	agc Ser	cac His 90	gaa Glu	gac Asp	cct Pro	gag Glu	gtc Val 95	aag Lys	ttc Phe	aac Asn	tgg Trp	tac Tyr 100	gtg Val	gac Asp	344
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tgg Trp 135	ctg Leu	aat Asn	ggc Gly	aag Lys	gag Glu 140	tac Tyr	aag Lys	tgc Cys	aag Lys	gtc Val 145	tcc Ser	aac Asn	aaa Lys	gcc Ala	ctc Leu 150	488
cca Pro	gcc Ala	ccc Pro	atc Ile	gag Glu 155	aaa Lys	acc Thr	atc Ile	tcc Ser	aaa Lys 160	gcc Ala	aaa Lys	ggg Gly	cag Gln	ccc Pro 165	cga Arg	536
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aac Asn	cag Gln	gtc Val 185	agc Ser	ctg Leu	acc Thr	tgc Cys	ctg Leu 190	gtc Val	aaa Lys	ggc Gly	ttc Phe	tat Tyr 195	ccc Pro	agc Ser	gac Asp	632
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acc Thr 215	acg Thr	cct Pro	ccc Pro	gtg Val 220	ctg Leu	gac Asp	tcc Ser	gac Asp	ggc Gly	tcc Ser 225	ttc Phe	ttc Phe	ctc Leu	tac Tyr	agc Ser 230	728
aag Lys	ctc Leu	acc Thr	gtg Val	gac Asp 235	aag Lys	agc Ser	agg Arg	tgg Trp	cag Gln 240	cag Gln	ggg Gly	aac Asn	gtc Val	ttc Phe 245	tca Ser	776
tgc Cys	tcc Ser	gtg Val	atg Met 250	cat His	gag Glu	gct Ala	ctg Leu	cac His 255	aac Asn	cac His	tac Tyr	acg Thr	cag Gln 260	aag Lys	agc Ser	824
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<210> 10

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Met Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly  
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Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp  
 20 25 30

Leu Ala Ala Arg Ala Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys  
 35 40 45

Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu  
 50 55 60

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu  
 65 70 75 80

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys  
 85 90 95

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys  
 100 105 110

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu  
 115 120 125

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys  
 130 135 140

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys  
 145 150 155 160

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser  
 165 170 175

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys  
 180 185 190

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln  
 195 200 205

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly  
 210 215 220

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln  
 225 230 235 240

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn  
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His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
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A-527A.ST25.txt

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 Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly Gly Gly Asp Lys  
 10 15 20

act cac aca tgt cca cct tgc cca gca cct gaa ctc ctg ggg gga ccg 152  
 Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro  
 25 30 35

tca gtt ttc ctc ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc 200  
 Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser  
 40 45 50

cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc cac gaa gac 248  
 Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp  
 55 60 65 70

cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag gtg cat aat 296  
 Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn  
 75 80 85

gcc aag aca aag ccg cgg gag gag cag tac aac agc acg tac cgt gtg 344  
 Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val  
 90 95 100

gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat ggc aag gag 392  
 Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu  
 105 110 115

tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc atc gag aaa 440  
 Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys  
 120 125 130

acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag gtg tac acc 488  
 Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr  
 135 140 145 150

A-527A.ST25.txt

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tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	atc	gcc	gtg	gag	tgg	gag	584
Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	
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Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	
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gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	acc	gtg	gac	aag	680
Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	
	200					205					210					
agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	gtg	atg	cat	gag	728
Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	
215					220					225					230	
gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	ctg	tct	ccg	ggt	776
Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	
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Lys																

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Gly	Gly	Gly	Gly	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro
			20					25					30		

Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys
		35					40					45			

Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val
	50					55					60				

Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp
65					70					75					80

Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr
				85					90					95	

A-527A.ST25.txt

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp  
100 105 110

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu  
115 120 125

Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg  
130 135 140

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys  
145 150 155 160

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp  
165 170 175

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys  
180 185 190

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser  
195 200 205

Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser  
210 215 220

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser  
225 230 235 240

Leu Ser Leu Ser Pro Gly Lys  
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Page 16

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Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys		
			90					95					100				
aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	392	
Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser		
		105					110					115					
aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	ccc	cca	440	
Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro		
	120					125					130						
tcc	cgg	gat	gag	ctg	acc	aag	aac	cag	gtc	agc	ctg	acc	tgc	ctg	gtc	488	
Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val		
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Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly		
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cag	ccg	gag	aac	aac	tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	584	
Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp		
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ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	632	
Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp		
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Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His		
	200					205					210						
aac	cac	tac	acg	cag	aag	agc	ctc	tcc	ctg	tct	ccg	ggg	aaa	ggg	gga	728	
Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys	Gly	Gly		
215					220					225					230		
ggg	ggg	ggg	gga	ggg	act	tac	tct	tgc	cac	ttc	ggc	ccg	ctg	act	tgg	776	
Gly	Gly	Gly	Gly	Gly	Thr	Tyr	Ser	Cys	His	Phe	Gly	Pro	Leu	Thr	Trp		
				235					240					245			
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 20 25 30  
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 35 40 45  
 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
 50 55 60  
 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
 65 70 75 80  
 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
 85 90 95  
 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
 100 105 110  
 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
 115 120 125  
 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
 130 135 140  
 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
 145 150 155 160  
 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
 165 170 175  
 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
 180 185 190  
 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
 195 200 205  
 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
 210 215 220  
 Ser Pro Gly Lys Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His  
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 245 250

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&lt;211&gt; 807

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&lt;223&gt; EMP-Fc

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				1			5									
tgc	cac	ttc	ggc	ccg	ctg	act	tgg	gta	tgt	aag	cca	caa	ggg	ggt	ggg	104
Cys	His	Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly	
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gga	ggc	ggg	ggg	gac	aaa	act	cac	aca	tgt	cca	cct	tgc	cca	gca	cct	152
Gly	Gly	Gly	Gly	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	
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Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	
	40					45					50					
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Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	
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gac	gtg	agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	gtg	gac	296
Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	
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ggc	gtg	gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	cag	tac	344
Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	
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Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	
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Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	
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cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	ccc	cga	488
Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	
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Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	
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aac	cag	gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	584
Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	
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atc	gcc	gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	632
Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	
		185					190					195				

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acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	680
Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	
	200					205					210					
aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	728
Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	
215					220					225					230	
tgc	tcc	gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	776
Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	
				235					240					245		
ctc	tcc	ctg	tct	ccg	ggt	aaa	taatggatcc									807
Leu	Ser	Leu	Ser	Pro	Gly	Lys										
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		20						25					30		

Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu
		35					40					45			

Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu
	50					55					60				

Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys
65					70					75					80

Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys
				85				90						95	

Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu
		100						105					110		

Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys
		115					120					125			

Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys
	130					135					140				



A-527A.ST25.txt

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser  
145 150 155 160

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys  
165 170 175

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln  
180 185 190

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly  
195 200 205

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln  
210 215 220

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn  
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His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
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tct tgc cac ttc ggc cca ctg act tgg gtt tgc aaa ccg cag ggt ggc 103  
Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly  
10 15 20

ggc ggc ggc ggc ggt ggt acc tat tcc tgt cat ttt ggc ccg ctg acc 151  
Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr  
25 30 35

tgg gta tgt aag cca caa ggg ggt ggg gga ggc ggg ggg gac aaa act 199  
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His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser		
	55					60					65						
gtt	ttc	ctc	ttc	ccc	cca	aaa	ccc	aag	gac	acc	ctc	atg	atc	tcc	cgg	295	
Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg		
70					75					80					85		
acc	cct	gag	gtc	aca	tgc	gtg	gtg	gtg	gac	gtg	agc	cac	gaa	gac	cct	343	
Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro		
				90					95					100			
gag	gtc	aag	ttc	aac	tgg	tac	gtg	gac	ggc	gtg	gag	gtg	cat	aat	gcc	391	
Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala		
			105					110					115				
aag	aca	aag	ccg	cgg	gag	gag	cag	tac	aac	agc	acg	tac	cgt	gtg	gtc	439	
Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val		
		120					125					130					
agc	gtc	ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	487	
Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr		
	135					140					145						
aag	tgc	aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	535	
Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr		
150					155					160					165		
atc	tcc	aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	583	
Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu		
				170					175					180			
ccc	cca	tcc	cgg	gat	gag	ctg	acc	aag	aac	cag	gtc	agc	ctg	acc	tgc	631	
Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys		
			185					190					195				
ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	atc	gcc	gtg	gag	tgg	gag	agc	679	
Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser		
		200					205					210					
aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	727	
Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp		
	215					220					225						
tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	acc	gtg	gac	aag	agc	775	
Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser		
230					235					240					245		
agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	gtg	atg	cat	gag	gct	823	
Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala		
				250					255					260			
ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	ctg	tct	ccg	ggg	aaa	871	
Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys		
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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EMP-EMP-FC

&lt;400&gt; 20

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Lys Pro Gln Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His  
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Phe Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly  
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Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu  
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Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr  
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Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val  
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Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val  
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Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser  
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Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu  
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Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala  
 145 150 155 160

Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro  
 165 170 175

Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln  
 180 185 190

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala  
 195 200 205

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr  
 210 215 220

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu  
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Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser  
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75 80 85

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Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys  
90 95 100

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Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp		
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35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
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Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
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Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
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Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
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Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
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Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His  
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Phe Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly Gly  
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<222> (14)..(14)



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<222> (9)..(9)

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<222> (14)..(14)

<223> At position 14, amino acid linker to an identical sequence

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<223> Position 16 bromoacetyl group linked to sidechain

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<223> At position 14, amino acid linker attached N-to-C to Lys and to a  
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<223> Xaa = any amino acid

<400> 71

Cys Xaa Glu Gly Pro Thr Leu Arg Glu Trp Leu Xaa Cys  
1 5 10

<210> 72

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<220>

<221> misc\_feature

<222> (2, 3 and)..(13)

<223> Xaa = any amino acid

<400> 72

Cys xaa xaa Glu Gly Pro Thr Leu Arg Glu Trp Leu xaa Cys  
1 5 10

<210> 73

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (2, 12 and)..(13)

<223> Xaa = any amino acid

<400> 73

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Cys Xaa Glu Gly Pro Thr Leu Arg Glu Trp Leu Xaa Xaa Cys  
1 5 10

<210> 74

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<220>

<221> misc\_feature

<222> (2, 3, 13 and)..(14)

<223> Xaa = any amino acid

<400> 74

Cys Xaa Xaa Glu Gly Pro Thr Leu Arg Glu Trp Leu Xaa Xaa Cys  
1 5 10 15

<210> 75

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 75

Gly Gly Cys Thr Leu Arg Glu Trp Leu His Gly Gly Phe Cys Gly Gly  
1 5 10 15

<210> 76

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 76

Gly Gly Cys Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Ser Phe Cys  
1 5 10 15

Gly Gly

<210> 77

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 77

Gly Asn Ala Asp Gly Pro Thr Leu Arg Gln Trp Leu Glu Gly Arg Arg  
1 5 10 15

Pro Lys Asn

<210> 78

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 78

Leu Ala Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu His Gly Asn Gly  
1 5 10 15

Arg Asp Thr

<210> 79

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 79

His Gly Arg Val Gly Pro Thr Leu Arg Glu Trp Lys Thr Gln Val Ala  
1 5 10 15

Thr Lys Lys

<210> 80

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 80

Thr Ile Lys Gly Pro Thr Leu Arg Gln Trp Leu Lys Ser Arg Glu His  
1 5 10 15

Thr Ser

<210> 81

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 81

Ile Ser Asp Gly Pro Thr Leu Lys Glu Trp Leu Ser Val Thr Arg Gly  
1 5 10 15

Ala Ser

<210> 82

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-mimetic peptide

<400> 82

Ser Ile Glu Gly Pro Thr Leu Arg Glu Trp Leu Thr Ser Arg Thr Pro  
1 5 10 15

His Ser

<210> 83

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (2, 4, 5, 8, 11 and)..(13)

<223> Xaa = any amino acid

<400> 83

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro  
1 5 10

<210> 84

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (2, 4, 5, 8, 11, 13, 16, 18, 19, 22, 25 and )..(27)

<223> Xaa = any amino acid

<400> 84

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro Tyr Xaa  
1 5 10 15

Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro  
20 25

<210> 85

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (14)..(14)

<223> At position 14, amino acid linker to an identical sequence

<220>

<221> misc\_feature

<222> (2, 4, 5, 8, 11, )..(13)

<223> Xaa = any amino acid

<400> 85

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro  
1 5 10

<210> 86

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (2, 4, 5, 8, 11 and)..(13)

<223> Xaa = any amino acid

<400> 86

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro  
1 5 10

<210> 87

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 87

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly  
20

<210> 88

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 88

Gly Gly Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Leu Gly Gly  
20

<210> 89

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 89

Gly Gly Val Tyr Ala Cys Arg Met Gly Pro Ile Thr Trp Val Cys Ser  
1 5 10 15

Pro Leu Gly Gly  
20

<210> 90

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 90

Val Gly Asn Tyr Met Cys His Phe Gly Pro Ile Thr Trp Val Cys Arg  
1 5 10 15

Pro Gly Gly Gly  
20

<210> 91

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 91

Gly Gly Leu Tyr Leu Cys Arg Phe Gly Pro Val Thr Trp Asp Cys Gly  
1 5 10 15

Tyr Lys Gly Gly  
20



<210> 92

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 92

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr  
20 25 30

Trp Val Cys Lys Pro Gln Gly Gly  
35 40

<210> 93

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (20)..(20)

<223> Position 20, amino acid linker to an identical sequence

<400> 93

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly  
20

<210> 94

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 94

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys  
20

<210> 95

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<400> 95

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys Gly Gly Thr Tyr Ser Cys His Phe Gly  
20 25 30

Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Ser Ser Lys  
35 40 45

<210> 96

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (23)..(23)

<223> Position 23, amino acid linker to an identical sequence

<400> 96

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys  
20

<210> 97

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (22)..(22)

<223> Position 22 linked through epsilon amine to lysyl, which is linked to a separate identical sequence through that sequence's alpha amine

<400> 97

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Ser Ser  
20

<210> 98

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (23)..(23)

<223> At position 23 biotin linked to the sidechain through a linker

<400> 98

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys  
20

<210> 99

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> G-CSF-mimetic peptide

<220>

<221> misc\_feature

<223> At position 4 disulfide bond to residue 4 of a separate identical sequence

<400> 99

Glu Glu Asp Cys Lys  
1 5

<210> 100

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> G-CSF-mimetic peptide

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is an isoteric ethylene spacer linked to a separate identical sequence

<400> 100

Glu Glu Asp Xaa Lys  
1 5

<210> 101

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> G-CSF-mimetic peptide

<220>

<221> misc\_feature

<222> (1)..(5)

<223> Position 1, Xaa is a pyroglutamic acid residue  
Position 5, Xaa is an isoteric ethylene spacer linked to a separate identical sequence.

<400> 101

Xaa Gly Glu Asp Xaa Lys  
1 5

<210> 102

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> G-CSF-mimetic peptide

<220>

<221> misc\_feature

<222> (1)..(4)

<223> Position 1, Xaa is a picolinic acid residue  
Position 4, Xaa is an isoteric ethylene spacer linked to a separate identical sequence.

<400> 102

Xaa Ser Asp Xaa Lys

1

5

&lt;210&gt; 103

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; G-CSF-mimetic peptide

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(5)

&lt;223&gt; At position 5, amino acid linker to an identical sequence

&lt;400&gt; 103

Glu Glu Asp Cys Lys  
1 5

&lt;210&gt; 104

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; G-CSF-mimetic peptide

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(5)

&lt;223&gt; At position 5, amino acid linker to an identical sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (4 and)..(10)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 104

Glu Glu Asp Xaa Lys  
1 5

<210> 105

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Antiviral (HBV)

<400> 105

Leu Leu Gly Arg Met Lys  
1 5

<210> 106

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 106

Tyr Cys Phe Thr Ala Ser Glu Asn His Cys Tyr  
1 5 10

<210> 107

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 107

Tyr Cys Phe Thr Asn Ser Glu Asn His Cys Tyr  
1 5 10

<210> 108

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 108

Tyr Cys Phe Thr Arg Ser Glu Asn His Cys Tyr  
1 5 10

<210> 109

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 109

Phe Cys Ala Ser Glu Asn His Cys Tyr  
1 5

<210> 110

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 110

Tyr Cys Ala Ser Glu Asn His Cys Tyr  
1 5

<210> 111

<211> 9

<212> PRT

<213> Artificial Sequence

<220>



<223> TNF-antagonist peptide

<400> 111

Phe Cys Asn Ser Glu Asn His Cys Tyr  
1 5

<210> 112

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 112

Phe Cys Asn Ser Glu Asn Arg Cys Tyr  
1 5

<210> 113

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 113

Phe Cys Asn Ser Val Glu Asn Arg Cys Tyr  
1 5 10

<210> 114

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 114

Tyr Cys Ser Gln Ser Val Ser Asn Asp Cys Phe  
1 5 10

<210> 115

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 115

Phe Cys Val Ser Asn Asp Arg Cys Tyr  
1 5

<210> 116

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 116

Tyr Cys Arg Lys Glu Leu Gly Gln Val Cys Tyr  
1 5 10

<210> 117

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 117

Tyr Cys Lys Glu pro Gly Gln Cys Tyr  
1 5

<210> 118

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 118

Tyr Cys Arg Lys Glu Met Gly Cys Tyr  
1 5

<210> 119

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 119

Phe Cys Arg Lys Glu Met Gly Cys Tyr  
1 5

<210> 120

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 120

Tyr Cys Trp Ser Gln Asn Leu Cys Tyr  
1 5

<210> 121

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 121

Tyr Cys Glu Leu Ser Gln Tyr Leu Cys Tyr  
1 5 10

<210> 122

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 122

Tyr Cys Trp Ser Gln Asn Tyr Cys Tyr  
1 5

<210> 123

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-antagonist peptide

<400> 123

Tyr Cys Trp Ser Gln Tyr Leu Cys Tyr  
1 5

<210> 124

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-mimetic peptide

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa (Pos1) can be C, A, a-amino-g-bromobutyric acid or Hoc.

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Xaa can be R, H, L or W.

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa can be M, F or I.

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Xaa can be any one of the 20 L-amino acids or the stereoisomeric D-amino acids.

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Xaa can be D, E, I, L or V.

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Xaa can be a-amino-g-bromobutyric acid or Hoc, provided that either Xaa (Pos1) or Xaa (Pos10) is C or Hoc.

<400> 124

Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa  
1 5 10

<210> 125

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> CTLA4-mimetic

<400> 125

Gly Phe Val Cys Ser Gly Ile Phe Ala Val Gly Val Gly Arg Cys  
1 5 10 15

<210> 126

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> CTLA4-MIMETIC

<400> 126

Ala Pro Gly Val Arg Leu Gly Cys Ala Val Leu Gly Arg Tyr Cys  
1 5 10 15

<210> 127

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> C3b antagonist

<400> 127

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr Ala Gly His  
1 5 10 15

Met Ala Asn Leu Thr Ser His Ala Ser Ala Ile  
20 25

<210> 128

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> C3b antagonist

<400> 128

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr  
1 5 10

<210> 129

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> C3b antagonist

<400> 129

Cys Val Val Gln Asp Trp Gly His His Ala Cys  
1 5 10

<210> 130

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 130

Thr Phe Ser Asp Leu Trp  
1 5

<210> 131

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 131

Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro  
1 5 10

<210> 132

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> MDM/HDM ANTAGONIST PEPTIDE

<400> 132

Gln Pro Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro  
1 5 10

<210> 133

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 133

Gln Glu Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro  
1 5 10

<210> 134

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 134

Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro  
1 5 10

<210> 135

<211> 12

<212> PRT

<213> Artificial Sequence



<220>

<223> Mdm/hdm antagonist peptide

<400> 135

Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn  
1 5 10

<210> 136

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 136

Val Gln Asn Phe Ile Asp Tyr Trp Thr Gln Gln Phe  
1 5 10

<210> 137

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 137

Thr Gly Pro Ala Phe Thr His Tyr Trp Ala Thr Phe  
1 5 10

<210> 138

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 138

Ile Asp Arg Ala Pro Thr Phe Arg Asp His Trp Phe Ala Leu Val  
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<210> 139  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Mdm/hdm antagonist peptide  
 <400> 139  
 Pro Arg Pro Ala Leu Val Phe Ala Asp Tyr Trp Glu Thr Leu Tyr  
 1 5 10 15

<210> 140  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Mdm/hdm antagonist peptide  
 <400> 140  
 Pro Ala Phe Ser Arg Phe Trp Ser Asp Leu Ser Ala Gly Ala His  
 1 5 10 15

<210> 141  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MDM/HDM ANTAGONIST PEPTIDE  
 <400> 141  
 Pro Ala Phe Ser Arg Phe Trp Ser Lys Leu Ser Ala Gly Ala His  
 1 5 10 15

<210> 142  
 <211> 10  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<220>

<221> misc\_feature

<222> (2, 4, 8 and)..(9)

<223> Xaa = any amino acid

<400> 142

Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu  
1 5 10

<210> 143

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 143

Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro  
1 5 10

<210> 144

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 144

Gln Pro Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro  
1 5 10

<210> 145

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 145

Gln Glu Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro  
1 5 10

<210> 146

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Mdm/hdm antagonist peptide

<400> 146

Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro  
1 5 10

<210> 147

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 147

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys  
1 5 10

<210> 148

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 148

Asp Ile Thr Trp Asp Glu Leu Trp Lys Ile Met Asn  
1 5 10

<210> 149

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 149

Asp Tyr Thr Trp Phe Glu Leu Trp Asp Met Met Gln  
1 5 10

<210> 150

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 150

Gln Ile Thr Trp Ala Gln Leu Trp Asn Met Met Lys  
1 5 10

<210> 151

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 151

Asp Met Thr Trp His Asp Leu Trp Thr Leu Met Ser  
1 5 10

&lt;210&gt; 152

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SELECTIN ANTAGONIST PEPTIDE

&lt;400&gt; 152

Asp	Tyr	Ser	Trp	His	Asp	Leu	Trp	Glu	Met	Met	Ser
1				5					10		

&lt;210&gt; 153

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SELECTIN ANTAGONIST PEPTIDE

&lt;400&gt; 153

Glu	Ile	Thr	Trp	Asp	Gln	Leu	Trp	Glu	Val	Met	Asn
1				5					10		

&lt;210&gt; 154

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SELECTIN ANTAGONIST PEPTIDE

&lt;400&gt; 154

His	Val	Ser	Trp	Glu	Gln	Leu	Trp	Asp	Ile	Met	Asn
1				5					10		

&lt;210&gt; 155

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 155

His Ile Thr Trp Asp Gln Leu Trp Arg Ile Met Thr  
1 5 10

<210> 156

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 156

Arg Asn Met Ser Trp Leu Glu Leu Trp Glu His Met Lys  
1 5 10

<210> 157

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 157

Ala Glu Trp Thr Trp Asp Gln Leu Trp His Val Met Asn Pro Ala Glu  
1 5 10 15

Ser Gln

<210> 158

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 158

His Arg Ala Glu Trp Leu Ala Leu Trp Glu Gln Met Ser Pro  
1 5 10

<210> 159

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 159

Lys Lys Glu Asp Trp Leu Ala Leu Trp Arg Ile Met Ser Val  
1 5 10

<210> 160

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 160

Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys  
1 5 10

<210> 161

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 161

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys  
1 5 10



<210> 162

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 162

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys  
1 5 10

<210> 163

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 163

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys  
1 5 10

<210> 164

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 164

Ser Cys Val Lys Trp Gly Lys Lys Glu Phe Cys Gly Ser  
1 5 10

<210> 165

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 165

Ser Cys Trp Lys Tyr Trp Gly Lys Glu Cys Gly Ser  
1 5 10

<210> 166

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 166

Ser Cys Tyr Glu Trp Gly Lys Leu Arg Trp Cys Gly Ser  
1 5 10

<210> 167

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 167

Ser Cys Leu Arg Trp Gly Lys Trp Ser Asn Cys Gly Ser  
1 5 10

<210> 168

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 168

Ser Cys Trp Arg Trp Gly Lys Tyr Gln Ile Cys Gly Ser  
1 5 10

<210> 169

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 169

Ser Cys Val Ser Trp Gly Ala Leu Lys Leu Cys Gly Ser  
1 5 10

<210> 170

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 170

Ser Cys Ile Arg Trp Gly Gln Asn Thr Phe Cys Gly Ser  
1 5 10

<210> 171

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 171

Ser Cys Trp Gln Trp Gly Asn Leu Lys Ile Cys Gly Ser  
1 5 10

<210> 172

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 172

Ser Cys Val Arg Trp Gly Gln Leu Ser Ile Cys Gly Ser  
1 5 10

<210> 173

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 173

Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr  
1 5 10 15

Thr Met Leu Ala Lys  
20

<210> 174

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 174

Arg Arg Trp Lys Lys Asn Phe Ile Ala Val Ser Ala Ala Asn Arg Phe  
1 5 10 15

Lys Lys

<210> 175

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 175

Arg Lys Trp Gln Lys Thr Gly His Ala Val Arg Ala Ile Gly Arg Leu  
1 5 10 15

Ser Ser

<210> 176

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 176

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu  
1 5 10

<210> 177

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 177

Lys Ile Trp Ser Ile Leu Ala Pro Leu Gly Thr Thr Leu Val Lys Leu  
1 5 10 15

Val Ala

<210> 178

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 178

Leu Lys Lys Leu Leu Lys Leu Leu Lys Lys Leu Leu Lys Leu  
1 5 10

<210> 179

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 179

Leu Lys Trp Lys Lys Leu Leu Lys Leu Leu Lys Lys Leu Leu Lys Lys  
1 5 10 15

Leu Leu

<210> 180

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 180

Ala Glu Trp Pro Ser Leu Thr Glu Ile Lys Thr Leu Ser His Phe Ser  
1 5 10 15

Val

<210> 181

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 181

Ala Glu Trp Pro Ser Pro Thr Arg Val Ile Ser Thr Thr Tyr Phe Gly  
1 5 10 15

Ser

<210> 182

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 182

Ala Glu Leu Ala His Trp Pro Pro Val Lys Thr Val Leu Arg Ser Phe  
1 5 10 15

Thr

<210> 183

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 183

Ala Glu Gly Ser Trp Leu Gln Leu Leu Asn Leu Met Lys Gln Met Asn  
1 5 10 15

Asn

<210> 184

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> CALMODULIN ANTAGONIST PEPTIDE

<400> 184

Ala Glu Trp Pro Ser Leu Thr Glu Ile Lys  
1 5 10

<210> 185

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 185

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Gly Val Ser  
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg  
20 25

<210> 186

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 186

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Arg Val Ser  
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg  
20 25



<210> 187

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 187

Ser Arg Gly Val Asn Phe Ser Glu Trp Leu Tyr Asp Met Ser Ala Ala  
1 5 10 15

Met Lys Glu Ala Ser Asn Val Phe Pro Ser Arg Arg Ser Arg  
20 25 30

<210> 188

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 188

Ser Ser Gln Asn Trp Asp Met Glu Ala Gly Val Glu Asp Leu Thr Ala  
1 5 10 15

Ala Met Leu Gly Leu Leu Ser Thr Ile His Ser Ser Ser Arg  
20 25 30

<210> 189

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 189

Ser Ser Pro Ser Leu Tyr Thr Gln Phe Leu Val Asn Tyr Glu Ser Ala  
1 5 10 15

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Ala Thr Arg Ile Gln Asp Leu Leu Ile Ala Ser Arg Pro Ser Arg  
20 25 30

<210> 190

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 190

Ser Ser Thr Gly Trp Val Asp Leu Leu Gly Ala Leu Gln Arg Ala Ala  
1 5 10 15

Asp Ala Thr Arg Thr Ser Ile Pro Pro Ser Leu Gln Asn Ser Arg  
20 25 30

<210> 191

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> VINCULIN-BINDING

<400> 191

Asp Val Tyr Thr Lys Lys Glu Leu Ile Glu Cys Ala Arg Arg Val Ser  
1 5 10 15

Glu Lys

<210> 192

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> C4BP-BINDING

<400> 192

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Glu Lys Gly Ser Tyr Tyr Pro Gly Ser Gly Ile Ala Gln Phe His Ile  
1 5 10 15

Asp Tyr Asn Asn Val Ser  
20

<210> 193

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> C4BP-BINDING

<400> 193

Ser Gly Ile Ala Gln Phe His Ile Asp Tyr Asn Asn Val Ser Ser Ala  
1 5 10 15

Glu Gly Trp His Val Asn  
20

<210> 194

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> C4BP-BINDING

<400> 194

Leu Val Thr Val Glu Lys Gly Ser Tyr Tyr Pro Gly Ser Gly Ile Ala  
1 5 10 15

Gln Phe His Ile Asp Tyr Asn Asn Val Ser Ser Ala Glu Gly Trp His  
20 25 30

Val Asn

<210> 195

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> C4BP-BINDING

<400> 195

Ser Gly Ile Ala Gln Phe His Ile Asp Tyr Asn Asn Val Ser  
1 5 10

<210> 196

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 196

Ala Glu Pro Met Pro His Ser Leu Asn Phe Ser Gln Tyr Leu Trp Tyr  
1 5 10 15

Thr

<210> 197

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 197

Ala Glu His Thr Tyr Ser Ser Leu Trp Asp Thr Tyr Ser Pro Leu Ala  
1 5 10 15

Phe

<210> 198

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 198

Ala Glu Leu Asp Leu Trp Met Arg His Tyr Pro Leu Ser Phe Ser Asn  
1 5 10 15

Arg

<210> 199

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 199

Ala Glu Ser Ser Leu Trp Thr Arg Tyr Ala Trp Pro Ser Met Pro Ser  
1 5 10 15

Tyr

<210> 200

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 200

Ala Glu Trp His Pro Gly Leu Ser Phe Gly Ser Tyr Leu Trp Ser Lys  
1 5 10 15

Thr

<210> 201

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 201

Ala Glu Pro Ala Leu Leu Asn Trp Ser Phe Phe Phe Asn Pro Gly Leu  
1 5 10 15

His

<210> 202

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 202

Ala Glu Trp Ser Phe Tyr Asn Leu His Leu Pro Glu Pro Gln Thr Ile  
1 5 10 15

Phe

<210> 203

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 203

Ala Glu Pro Leu Asp Leu Trp Ser Leu Tyr Ser Leu Pro Pro Leu Ala  
1 5 10 15

Met

<210> 204

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 204

Ala Glu Pro Thr Leu Trp Gln Leu Tyr Gln Phe Pro Leu Arg Leu Ser  
1 5 10 15

Gly

<210> 205

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 205

Ala Glu Ile Ser Phe Ser Glu Leu Met Trp Leu Arg Ser Thr Pro Ala  
1 5 10 15

Phe

<210> 206

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 206

Ala Glu Leu Ser Glu Ala Asp Leu Trp Thr Thr Trp Phe Gly Met Gly  
1 5 10 15

Ser

<210> 207

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 207

Ala Glu Ser Ser Leu Trp Arg Ile Phe Ser Pro Ser Ala Leu Met Met  
1 5 10 15

Ser

<210> 208

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 208

Ala Glu Ser Leu Pro Thr Leu Thr Ser Ile Leu Trp Gly Lys Glu Ser  
1 5 10 15

Val

<210> 209

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 209



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Ala Glu Thr Leu Phe Met Asp Leu Trp His Asp Lys His Ile Leu Leu  
1 5 10 15

Thr

<210> 210

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 210

Ala Glu Ile Leu Asn Phe Pro Leu Trp His Glu Pro Leu Trp Ser Thr  
1 5 10 15

Glu

<210> 211

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 211

Ala Glu Ser Gln Thr Gly Thr Leu Asn Thr Leu Phe Trp Asn Thr Leu  
1 5 10 15

Arg

<210> 212

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa is V, L, I, E, P, G, Y, M, T or D.

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Xaa is Y, W or F.

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa is F, W or Y.

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Xaa is P or Azetidine.

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Xaa is S, A, V or L.

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Xaa is V, L, I or E.

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Xaa is Q or P.

<400> 212

Xaa Xaa Xaa Gln Xaa Tyr Xaa Xaa Xaa  
1 5

<210> 213

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 213

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 214

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 214

Ser Trp Thr Asp Tyr Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Ile Ser  
1 5 10 15

Gly Leu

<210> 215

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 215

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 216

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 216

Glu Asn Thr Tyr Ser Pro Asn Trp Ala Asp Ser Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 217

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 217

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 218

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 218

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 219

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 219

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr  
1 5 10

<210> 220

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 220

Phe Glu Trp Thr pro Gly Tyr Trp Gln His Tyr  
1 5 10

<210> 221

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 221

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Xaa	Tyr
1				5					10	

<210> 222

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 1, optionally acetlated at N terminus  
Position 10, Xaa = azetidine

<400> 222

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Xaa	Tyr
1				5					10	

<210> 223

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11, Xaa = azetidine

<400> 223

Phe Glu Trp Thr Pro Gly Trp Pro Tyr Gln Xaa Tyr  
1 5 10

<210> 224

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 224

Phe Ala Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 225

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

&lt;400&gt; 225

Phe	Glu	Trp	Ala	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 226

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa = azetidine

&lt;400&gt; 226

Phe	Glu	Trp	Val	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 227

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa = azetidine

&lt;400&gt; 227

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 228



<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 1, optionally acetylated at N terminus  
Position 10, Xaa = azetidine

<400> 228

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 229

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6 and)..(10)

<223> Position 6, Xaa products = "MeGly"  
Position 10, Xaa = azetidine

<400> 229

Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 230

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6 and)..(10)

<223> Position 6, Xaa = MeGly  
Position 10, Xaa = azetidine

<400> 230

Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 231

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 231

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Pro Tyr  
1 5 10

<210> 232

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 232

Phe Glu Trp Thr Pro Gly Trp Trp Gln Pro Tyr  
1 5 10

<210> 233

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 233

Phe Glu Trp Thr Pro Asn Tyr Trp Gln Pro Tyr  
1 5 10

<210> 234

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5 and)..(10)

<223> Position 5, Xaa = pipecolic acid  
Position 10, Xaa = azetidine

<400> 234

Phe Glu Trp Thr Xaa Val Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 235

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5 and)..(10)

<223> Position 5, Xaa = pipecolic acid  
Position 10, Xaa = azetidine

<400> 235

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 236

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6 and)..(10)

<223> Position 6, Xaa = Aib  
Position 10, Xaa = azetidine

<400> 236

Phe Glu Trp Thr Pro Xaa Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 237

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5 and)..(10)

<223> Position 5, Xaa = MeGly  
Position 10, Xaa = azetidine

<400> 237

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr  
Page 104

1 5

<210> 238

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Position 11, amino group added at C terminus

<400> 238

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr  
1 5 10

<210> 239

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Position 11, amino group added at C-terminus

<400> 239

Phe Glu Trp Thr Pro Gly Tyr Trp Gln His Tyr  
1 5 10

<210> 240

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 240

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Xaa	Tyr
1				5					10	

<210> 241

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 optionally acetylated at N-terminus

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature  
 <222> (11)..(11)  
 <223> Position 11 amino group added at C-terminus

<400> 241

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr  
 1 5 10

<210> 242  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature  
 <222> (8)..(8)  
 <223> Position 8, Xaa is a phyosphotyrosyl residue

<220>

<221> misc\_feature  
 <222> (10)..(10)  
 <223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature  
 <222> (11)..(11)  
 <223> Position 11 amino group added at C-terminus

<400> 242

Phe Glu Trp Thr Pro Gly Trp Xaa Gln Xaa Tyr  
 1 5 10

<210> 243  
 <211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 243

Phe	Ala	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 244

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus



<400> 244

Phe Glu Trp Ala Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 245

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 245

Phe Glu Trp Val Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 246

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 246

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 247

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 acetylated at N-terminus

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 247

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 248

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 248

Phe Glu Trp Thr Pro Ala Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 249

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is a sarcosine residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 249

Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 250

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Position 11 amino group added at C-terminus

<400> 250

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Pro Tyr  
1 5 10

<210> 251

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Position 11 amino group added at C-terminus

<400> 251

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Trp	Gln	Pro	Tyr
1				5					10	

<210> 252

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Position 11 amino group added at C-terminus

<400> 252

Phe	Glu	Trp	Thr	Pro	Asn	Tyr	Trp	Gln	Pro	Tyr
1				5					10	

<210> 253

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 253

Phe	Glu	Trp	Thr	Pro	Val	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 254

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(10)

<223> Position 5, Xaa is a pipecolic acid residue  
 Position 10, Xaa is an azetidine residue  
 Position 11 amino group added at C-terminus

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 254

Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 255

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa = pipecolic acid

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 255

Phe	Glu	Trp	Thr	Pro	Xaa	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 256

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = MeGly

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 256

Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 257

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 257

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10				15	

<210> 258

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)



<223> Position 1, Xaa is a 1-naphthylalanine residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 258

Xaa Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 259

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11 amino group added at C-terminus

<400> 259

Tyr Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 260  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (10)..(10)  
 <223> Position 10, Xaa is an azetidine residue

<220>  
 <221> misc\_feature  
 <222> (11)..(11)  
 <223> Position 11 amino group added at C-terminus

<400> 260  
 Phe Glu Trp Val Pro Gly Tyr Tyr Gln Xaa Tyr  
 1 5 10

<210> 261  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (6)..(6)  
 <223> Position 6, D amino acid residue

<220>

<221> misc\_feature  
 <222> (11)..(11)  
 <223> Position 11 amino group added at C-terminus

<220>

<221> misc\_feature  
 <222> (10)..(10)  
 <223> Position 10, Xaa is an azetidine residue

<400> 261

Phe Glu Trp Thr Pro Ser Tyr Tyr Gln Xaa Tyr  
 1 5 10

<210> 262  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature  
 <222> (6)..(6)  
 <223> Position 6, D amino acid residue

<220>

<221> misc\_feature  
 <222> (10)..(10)  
 <223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature  
 <222> (11)..(11)  
 <223> Position 11 amino group added at C-terminus

<400> 262

Phe Glu Trp Thr Pro Asn Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 263

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 263

Thr Lys Pro Arg  
1

<210> 264

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 264

Arg Lys Ser Ser Lys  
1 5

<210> 265

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 265

Arg Lys Gln Asp Lys  
1 5

<210> 266

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 266

Asn Arg Lys Gln Asp Lys  
1 5

<210> 267

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 267

Arg Lys Gln Asp Lys Arg  
1 5

<210> 268

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 268

Glu Asn Arg Lys Gln Asp Lys Arg Phe  
1 5

<210> 269

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 269

Val Thr Lys Phe Tyr Phe  
1 5

<210> 270

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 270

Val Thr Lys Phe Tyr  
1 5

<210> 271

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 271

Val Thr Asp Phe Tyr  
1 5

<210> 272

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 272

Ser Gly Ser Gly Val Leu Lys Arg Pro Leu Pro Ile Leu Pro Val Thr  
1 5 10 15

Arg

<210> 273

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 273

Arg Trp Leu Ser Ser Arg Pro Leu Pro Pro Leu Pro Leu Pro Pro Arg  
1 5 10 15

Thr

<210> 274

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 274

Gly Ser Gly Ser Tyr Asp Thr Leu Ala Leu Pro Ser Leu Pro Leu His  
1 5 10 15

Pro Met Ser Ser  
20

<210> 275

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/MAST CELL PROTEASE INHIBITOR PEPTIDE

<400> 275

Gly Ser Gly Ser Tyr Asp Thr Arg Ala Leu Pro Ser Leu Pro Leu His  
1 5 10 15

Pro Met Ser Ser  
20

<210> 276

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 276

Gly Ser Gly Ser Ser Gly Val Thr Met Tyr Pro Lys Leu Pro Pro His  
1 5 10 15

Trp Ser Met Ala  
20

<210> 277

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 277

Gly Ser Gly Ser Ser Gly Val Arg Met Tyr Pro Lys Leu Pro Pro His  
1 5 10 15

Trp Ser Met Ala  
20

<210> 278

<211> 20

<212> PRT

<213> Artificial Sequence



<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 278

Gly Ser Gly Ser Ser Ser Met Arg Met Val Pro Thr Ile Pro Gly Ser  
1 5 10 15

Ala Lys His Gly  
20

<210> 279

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTI-HBV

<400> 279

Leu Leu Gly Arg Met Lys  
1 5

<210> 280

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTI-HBV

<400> 280

Ala Leu Leu Gly Arg Met Lys Gly  
1 5

<210> 281

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTI-HBV

<400> 281

Leu Asp Pro Ala Phe Arg  
1 5

<210> 282

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 282

Arg Pro Leu Pro Pro Leu Pro  
1 5

<210> 283

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 283

Arg Glu Leu Pro Pro Leu Pro  
1 5

<210> 284

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 284

Ser Pro Leu Pro Pro Leu Pro  
1 5

<210> 285

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 285

Gly Pro Leu Pro Pro Leu Pro  
1 5

<210> 286

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 286

Arg Pro Leu Pro Ile Pro Pro  
1 5

<210> 287

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 287

Arg Pro Leu Pro Ile Pro Pro  
1 5

<210> 288

<211> 7

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 288

Arg Arg Leu Pro Pro Thr Pro  
1 5

&lt;210&gt; 289

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 289

Arg Gln Leu Pro Pro Thr Pro  
1 5

&lt;210&gt; 290

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 290

Arg Pro Leu Pro Ser Arg Pro  
1 5

&lt;210&gt; 291

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 291

Arg Pro Leu Pro Thr Arg Pro  
1 5

<210> 292

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 292

Ser Arg Leu Pro Pro Leu Pro  
1 5

<210> 293

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 293

Arg Ala Leu Pro Ser Pro Pro  
1 5

<210> 294

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 294

Arg Arg Leu Pro Arg Thr Pro  
1 5

<210> 295

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 295

Arg Pro Val Pro Pro Ile Thr  
1 5

<210> 296

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 296

Ile Leu Ala Pro Pro Val Pro  
1 5

<210> 297

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 297

Arg Pro Leu Pro Met Leu Pro  
1 5

<210> 298

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 298

Arg Pro Leu Pro Ile Leu Pro  
1 5

<210> 299

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 299

Arg Pro Leu Pro Ser Leu Pro  
1 5

<210> 300

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 300

Arg Pro Leu Pro Ser Leu Pro  
1 5

<210> 301

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 301

Arg Pro Leu Pro Met Ile Pro  
1 5

<210> 302

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 302

Arg Pro Leu Pro Leu Ile Pro  
1 5

<210> 303

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 303

Arg Pro Leu Pro Pro Thr Pro  
1 5

<210> 304

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<400> 304

Arg Ser Leu Pro Pro Leu Pro  
1 5

<210> 305

<211> 7

<212> PRT

<213> Artificial Sequence



&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 305

Arg Pro Gln Pro Pro Pro Pro  
1 5

&lt;210&gt; 306

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;400&gt; 306

Arg Gln Leu Pro Ile Pro Pro  
1 5

&lt;210&gt; 307

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SH3 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1, 2, 3)..(11)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 307

Xaa Xaa Xaa Arg Pro Leu Pro Pro Leu Pro Xaa Pro  
1 5 10

&lt;210&gt; 308

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 3, 11)..(12)

<223> Xaa = any amino acid

<400> 308

Xaa Xaa Xaa Arg Pro Leu Pro Pro Ile Pro Xaa Xaa  
1 5 10

<210> 309

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 3, 11,.)..(12)

<223> Xaa = any amino acid

<400> 309

Xaa Xaa Xaa Arg Pro Leu Pro Pro Leu Pro Xaa Xaa  
1 5 10

<210> 310

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature  
 <222> (2, 3,)..(10)  
 <223> Xaa = any amino acid

<220>  
 <221> misc\_feature  
 <222> (2, 3,)..(11)  
 <223> Xaa = any amino acid

<400> 310  
 Arg Xaa Xaa Arg Pro Leu Pro Pro Leu Pro Xaa Pro  
 1 5 10

<210> 311  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> SH3 ANTAGONIST PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (2)..(3)  
 <223> Xaa = any amino acid

<400> 311  
 Arg Xaa Xaa Arg Pro Leu Pro Pro Leu Pro Pro Pro  
 1 5 10

<210> 312  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (11)..(12)

<223> Xaa = any amino acid

<400> 312

Pro Pro Pro Tyr Pro Pro Pro Pro Ile Pro Xaa Xaa  
1 5 10

<210> 313

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (11)..(12)

<223> Xaa = any amino acid

<400> 313

Pro Pro Pro Tyr Pro Pro Pro Pro Val Pro Xaa Xaa  
1 5 10

<210> 314

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (2, 3)..(8)

<223> Xaa is any amino acid

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Xaa represents an aliphatic amino acid residue

<400> 314

Leu Xaa Xaa Arg Pro Leu Pro Xaa Xaa Pro  
1 5 10

<210> 315

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is an aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (2, 3)..(8)

<223> Xaa is any amino acid

<400> 315

Xaa Xaa Xaa Arg Pro Leu Pro Xaa Leu Pro  
1 5 10

<210> 316

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa is any amino acid residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Xaa is an aromatic amino acid residue

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Xaa is an aliphatic amino acid residue

<400> 316

Pro	Pro	Xaa	Xaa	Tyr	Pro	Pro	Pro	Xaa	Pro
1				5					10

<210> 317

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa is a basic amino acid residue

<220>

<221> misc\_feature  
 <222> (4)..(4)  
 <223> Xaa is an aliphatic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (6)..(9)  
 <223> Xaa is any amino acid residue

<400> 317  
 Xaa Pro Pro Xaa Pro Xaa Lys Pro Xaa Trp Leu  
 1 5 10

<210> 318  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> SH3 ANTAGONIST PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (3, 4)..(6)  
 <223> Xaa is an aliphatic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (8)..(8)  
 <223> Xaa is a basic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (10)..(10)  
 <223> Xaa is any amino acid residue

<400> 318

Arg Pro Xaa Xaa Pro Xaa Arg Xaa Ser Xaa Pro  
1 5 10

<210> 319

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (8)..(9)

<223> Xaa = any amino acid

<400> 319

Pro Pro Val Pro Pro Arg Pro Xaa Xaa Thr Leu  
1 5 10

<210> 320

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SH3 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1, 3)..(6)

<223> Positions 1, 3 and 6, Xaa is an aliphatic amino acid residue

<400> 320

Xaa Pro Xaa Leu Pro Xaa Lys  
1 5

<210> 321



<211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> SH3 ANTAGONIST PEPTIDE

<220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> Xaa is a basic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (2)..(2)  
 <223> Xaa is an aromatic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (4)..(8)  
 <223> Xaa is any amino acid residue

<400> 321  
 Xaa Xaa Asp Xaa Pro Leu Pro Xaa Leu Pro  
 1 5 10

<210> 322  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> INHIBITION OF PLATELET AGGREGATION  
 <220>  
 <221> misc\_feature

<222> (2)..(3)

<223> Xaa = any amino acid

<400> 322

Cys Xaa Xaa Arg Gly Asp Cys  
1 5

<210> 323

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> SRC ANTAGONIT

<400> 323

Arg Pro Leu Pro Pro Leu Pro  
1 5

<210> 324

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> SRC ANTAGONIT

<400> 324

Pro Pro Val Pro Pro Arg  
1 5

<210> 325

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTI-CANCER

<220>

<221> misc\_feature

<222> (1, 3, 5, 7, 8, 10)..(11)

<223> xaa = any amino acid

<400> 325

Xaa Phe Xaa Asp Xaa Trp Xaa Xaa Leu Xaa Xaa  
1 5 10

<210> 326

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 326

Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu Ser  
1 5 10 15

Arg Asp Cys Asp  
20

<210> 327

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 327

Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu Gly  
1 5 10 15

Asp Phe Ala Trp  
20

<210> 328

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 328

Lys Arg Arg Gln Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg  
1 5 10 15

Leu Ile Phe Ser  
20

<210> 329

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 329

Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser  
1 5 10 15

Lys Arg Lys Pro  
20

<210> 330

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 330

Arg Arg Leu Ile Phe  
1 5

<210> 331

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 331

Lys Arg Arg Gln Thr Ser Ala Thr Asp Phe Tyr His Ser Lys Arg Arg  
1 5 10 15

Leu Ile Phe Ser Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met  
20 25 30

Lys Trp Lys Lys  
35

<210> 332

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> P16-MIMETIC

<400> 332

Lys Arg Arg Leu Ile Phe Ser Lys Arg Gln Ile Lys Ile Trp Phe Gln  
1 5 10 15

Asn Arg Arg Met Lys Trp Lys Lys  
20

<210> 333

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> PREFERRED LINKER

<400> 333

Gly Gly Gly Lys Gly Gly Gly Gly  
1 5

<210> 334

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> PREFERRED LINKER

<400> 334

Gly Gly Gly Asn Gly Ser Gly Gly  
1 5

<210> 335

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> PREFERRED LINKER

<400> 335

Gly Gly Gly Cys Gly Gly Gly Gly  
1 5

<210> 336

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> PREFERRED LINKER

<400> 336

Gly Pro Asn Gly Gly  
1 5

<210> 337

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 337

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala  
1 5 10 15

Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr  
20 25 30

Leu Arg Gln Trp Leu Ala Ala Arg Ala  
35 40

<210> 338

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 41 of the C-terminus

<400> 338

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala Gly Gly Gly Gly Gly  
35 40

<210> 339

<211> 49

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 339

Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu  
1 5 10 15

Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly Gly Gly Gly Thr  
20 25 30

Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly  
35 40 45

Gly

<210> 340

<211> 49

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 49 of the C-terminus

<400> 340

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His Phe  
20 25 30

Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly Gly Gly  
35 40 45



Gly

<210> 341

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 341

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Ile Glu  
1 5 10 15

Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25

<210> 342

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 342

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Ile  
1 5 10 15

Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25

<210> 343

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 343

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25 30

<210> 344

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 344

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25 30

<210> 345

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 345

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25 30

<210> 346

<211> 33

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 346

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg  
 20 25 30

Ala

&lt;210&gt; 347

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 347

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala  
 20 25 30

Arg Ala

&lt;210&gt; 348

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 348

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala  
 20 25 30

Ala Arg Ala  
35

<210> 349

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 349

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 350

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 350

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp  
20 25 30

Leu Ala Ala Arg Ala  
35

<210> 351

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 351

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln  
20 25 30

Trp Leu Ala Ala Arg Ala  
35

<210> 352

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 352

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro  
20 25 30

Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
35 40

<210> 353

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 353

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro  
1 5 10 15

Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
           20                          25                          30

<210> 354  
 <211> 36  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> TPO-MIMETIC PEPTIDES  
 <400> 354

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1                          5                          10                          15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
           20                          25                          30

Ala Ala Arg Ala  
           35

<210> 355  
 <211> 36  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> TPO-MIMETIC PEPTIDES  
 <400> 355

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1                          5                          10                          15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
           20                          25                          30

Ala Ala Arg Ala  
           35

<210> 356  
 <211> 36  
 <212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 356

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 357

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<400> 357

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 358

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<220>

<221> misc\_feature

&lt;222&gt; (19)..(19)

&lt;223&gt; Position 19, Xaa = bromoacetyl

&lt;400&gt; 358

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Lys Xaa Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp  
 20 25 30

Leu Ala Ala Arg Ala  
 35

&lt;210&gt; 359

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 359

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

&lt;210&gt; 360

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (19)..(19)



A-527A.ST25.txt  
<223> Position 19, Xaa = Poly(ethylene glycol)

<400> 360

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Lys Xaa Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp  
20 25 30

Leu Ala Ala Arg Ala  
35

<210> 361

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC PEPTIDES

<220>

<221> misc\_feature

<222> (19)..(19)

<223> Position 19, Xaa = Poly(ethylene glycol)

<400> 361

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Cys Xaa Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp  
20 25 30

Leu Ala Ala Arg Ala  
35

<210> 362

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 362

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Asn Gly Ser Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

&lt;210&gt; 363

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TPO-MIMETIC PEPTIDES

&lt;400&gt; 363

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

&lt;210&gt; 364

&lt;211&gt; 57

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; OLIGONUCLEOTIDE USED TO CONSTRUCT TMP

&lt;400&gt; 364

aaaaaaggat cctcgagatt aagcacgagc agccagccac tgacgcagag tcggacc

57

&lt;210&gt; 365

&lt;211&gt; 39

&lt;212&gt; DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP

<400> 365

aaaggtggag gtggtggtat cgaagggtccg actctgcgt

39

<210> 366

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP

<400> 366

cagtggctgg ctgctcgtgc ttaatctcga ggatcctttt tt

42

<210> 367

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> TMP CONSTRUCT

<220>

<221> CDS

<222> (1)..(60)

<223>

<400> 367

aaa ggt gga ggt ggt ggt atc gaa ggt ccg act ctg cgt cag tgg ctg  
Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
1 5 10 15

48

gct gct cgt gct taatctcgag gatccttttt t  
Ala Ala Arg Ala  
20

81

<210> 368

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> TMP CONSTRUCT

<400> 368

Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
1 5 10 15

Ala Ala Arg Ala  
20

<210> 369

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR FC CONSTRUCT

<400> 369

aacataagta cctgtaggat cg

22

<210> 370

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR FC CONSTRUCT

<400> 370

ttcgatacca ccacctccac ctttaccgag agacagggag aggctcttct gc

52

<210> 371

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP-TMP SEQUENCE

<400> 371  
aaaggtggag gtggtggtat cgaaggtccg actctgcgtc agtggctggc tgctcgtgct 60

<210> 372

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP-TMP SEQUENCE

<400> 372  
acctccacca ccagcacgag cagccagcca ctgacgcaga gtcggacc 48

<210> 373

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP-TMP SEQUENCE

<400> 373  
ggtggtggag gtggcggcgg aggtattgag ggcccaaccc ttcgccaatg gcttgcagca 60  
cgcgca 66

<210> 374

<211> 76

<212> PRT

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT TMP-TMP SEQUENCE

<400> 374

Ala Ala Ala Ala Ala Ala Ala Gly Gly Ala Thr Cys Cys Thr Cys Gly  
1 5 10 15

Ala Gly Ala Thr Thr Ala Thr Gly Cys Gly Cys Gly Thr Gly Cys Thr  
20 25 30

Gly Cys Ala Ala Gly Cys Cys Ala Thr Thr Gly Gly Cys Gly Ala Ala  
 35 40 45

Gly Gly Gly Thr Thr Gly Gly Gly Cys Cys Cys Thr Cys Ala Ala Thr  
 50 55 60

Ala Cys Cys Thr Cys Cys Gly Cys Cys Gly Cys Cys  
 65 70 75

<210> 375

<211> 126

<212> DNA

<213> Artificial Sequence

<220>

<223> TMP-TMP CONSTRUCT

<220>

<221> CDS

<222> (1)..(126)

<223>

<400>	375	
aaa ggt gga ggt ggt ggt atc gaa ggt ccg act ctg cgt cag tgg ctg		48
Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu		
1 5 10 15		
gct gct cgt gct ggt ggt gga ggt ggc ggc gga ggt att gag ggc cca		96
Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro		
20 25 30		
acc ctt cgc caa tgg ctt gca gca cgc gca		126
Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala		
35 40		

<210> 376

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> TMP-TMP CONSTRUCT

<400> 376

Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 1 5 10 15

Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro  
20 25 30

Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
35 40

<210> 377

<211> 39

<212> DNA

<213> Artificial Sequence

**<220>**

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 377

ttttttcata tgatcgaagg tccgactctg cgtcagtgg

39

<210> 378

<211> 48

<212> DNA

<213> Artificial Sequence

**<220>**

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 378

agcacgagca gccagccact gacgcagagt cggaccttcg atcatatg

48

<210> 379

<211> 45

<212> DNA

<213> Artificial Sequence

$\langle 220 \rangle$

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 379

ctggctgctc gtgctggtgg aggcggtggg gacaaaactc acaca

45

**<210> 380**

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 380

ctggctgctc gtgctggcgg tggtaggcgga gggggtggca ttgagggccc a 51

<210> 381

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 381

aagccattgg cgaaggggtg ggccttcaat gccaccccct ccgccaccac cgcc 54

<210> 382

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 382

acccttcgcc aatggcttgc agcacgcgca gggggaggcg gtggggacaa aact 54

<210> 383

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED IN CONSTRUCTION OF TMP-TMP CONSTRUCT

<400> 383

cccaccgcct cccctgcgc gtgctgc 27



&lt;210&gt; 384

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TMP-TMP CONSTRUCT

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (10)..(180)

&lt;223&gt;

```

<400> 384
ttttttcat atg atc gaa ggt ccg act ctg cgt cag tgg ctg gct gct cgt      51
          Met Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg
          1             5             10

gct ggc ggt ggt ggc gga ggg ggt ggc att gag ggc cca acc ctt cgc      99
Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg
15             20             25             30

caa tgg ctg gct gct cgt gct ggt gga ggc ggt ggg gac aaa act ctg     147
Gln Trp Leu Ala Ala Arg Ala Gly Gly Gly Gly Gly Asp Lys Thr Leu
          35             40             45

gct gct cgt gct ggt gga ggc ggt ggg gac aaa actcacaca      189
Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Asp Lys
          50             55

```

&lt;210&gt; 385

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; TMP-TMP CONSTRUCT

&lt;400&gt; 385

```

Met Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly
1             5             10             15

Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp
20             25             30

Leu Ala Ala Arg Ala Gly Gly Gly Gly Gly Asp Lys Thr Leu Ala Ala
35             40             45

```

Arg Ala Gly Gly Gly Gly Gly Asp Lys  
50 55

<210> 386

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT pAMG21

<400> 386  
ctaattccgc tctcacctac caaacaatgc ccccttgcaa aaaataaatt catataaaaa 60  
acatacagat aaccatctgc ggtgataaat tatctctggc ggtgttgaca taaataccac 120  
tggcgggtgat actgagcaca t 141

<210> 387

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT pAMG21

<400> 387  
cgatttgatt ctagaaggag gaataacata tggttaacgc gttggaattc ggtac 55

<210> 388

<211> 872

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT GM221

<400> 388  
ttattttcgt gcggccgcac cattatcacc gccagaggta aactagtcaa cacgcacggt 60  
gtagatatt tatcccttgc ggtgatagat tgagcacatc gatttgattc tagaaggagg 120  
gataatatat gagcacaaaa aagaaacat taacacaaga gcagcttgag gacgcacgtc 180  
gccttaaagc aatttatgaa aaaaagaaaa atgaacttgg cttatcccag gaatctgtcg 240

A-527A.ST25.txt

cagacaagat	ggggatgggg	cagtcaggcg	ttggtgcttt	atttaatggc	atcaatgcat	300
taaatgctta	taacgccgca	ttgcttacia	aaattctcaa	agttagcggt	gaagaattta	360
gcccttcaat	cgccagagaa	tctacgagat	gtatgaagcg	gttagtatgc	agccgtcact	420
tagaagttag	tatgagtacc	ctgttttttc	tcatgttcag	gcagggatgt	tctcacctaa	480
gcttagaacc	tttaccaaag	gtgatgcgga	gagatgggta	agcacaacca	aaaaagccag	540
tgattctgca	ttctggcttg	aggttgaagg	taattccatg	accgcaccaa	caggctccaa	600
gccaagcttt	cctgacggaa	tgtaatttct	cgttgaccct	gagcaggctg	ttgagccagg	660
tgatttctgc	atagccagac	ttgggggtga	tgagttttacc	ttcaagaaac	tgatcagggg	720
tagcgggtcag	gtgtttttac	aaccactaaa	cccacagtac	ccaatgatcc	catgcaatga	780
gagttgttcc	gttgtgggga	aagttatcgc	tagtcagtgg	cctgaagaga	cgtttggtcg	840
atagactagt	ggatccacta	gtgtttctgc	cc			872

<210> 389

<211> 1197

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT GM221

<400> 389

ggcggaaacc	gacgtccatc	gaatggtgca	aaacctttcg	cggtatggca	tgatagcgcc	60
cggaagagag	tcaattcagg	gtggtgaatg	tgaaaccagt	aacgttatac	gatgtcgag	120
agtatgccgg	tgtctcttat	cagaccgttt	cccgcgtggt	gaaccaggcc	agccacgttt	180
ctgcgaaaac	gcgggaaaaa	gtcgaagcgg	cgatggcgga	gctgaattac	attcccaacc	240
gcgtggcaca	acaactggcg	ggcaaacagt	cgctcctgat	tggcggtgcc	acctccagtc	300
tggccctgca	cgcgccgtcg	caaattgtcg	cggcgattaa	atctcgcgcc	gatcaactgg	360
gtgccagcgt	ggtggtgtcg	atggtagaac	gaagcggcgt	cgaagcctgt	aaagcggcgg	420
tgcaaatct	tctcgcgcaa	cgcgtcagtg	ggctgatcat	taactatccg	ctggatgacc	480
aggatgccat	tgctgtggaa	gctgcctgca	ctaattgtcc	ggcgttattt	cttgatgtct	540
ctgaccagac	acccatcaac	agtattattt	tctcccatga	agacggtacg	cgactgggcg	600
tggagcatct	ggtcgcattg	ggtcaccagc	aaatcgcgct	gttagcgggc	ccattaagtt	660
ctgtctcggc	gcgtctgcgt	ctggctggct	ggcataaata	tctcactcgc	aatcaaattc	720
agccgatagc	ggaacgggaa	ggcgactgga	gtgccatgtc	cggttttcaa	caaaccatgc	780
aaatgctgaa	tgagggcatc	gttcccactg	cgatgctggt	tgccaacgat	cagatggcgc	840
tgggcgcaat	gcgcgccatt	accgagtcgg	ggctgcgcgt	tgggtgcggat	atctcggtag	900

A-527A.ST25.txt

tgggatacga cgataccgaa gacagctcat gttatatccc gccgttaacc accatcaaac	960
aggatttttcg cctgctgggg caaaccagcg tggaccgctt gctgcaactc tctcagggcc	1020
aggcggtgaa gggcaatcag ctgttgcccg tctcactggt gaaaagaaaa accaccctgg	1080
cgcccaatac gcaaaccgcc tctccccgcg cgttggccga ttcattaatg cagctggcac	1140
gacaggtttc ccgactggaa agcggacagt aaggtacat aggatccagg cacagga	1197

<210> 390

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

<400> 390	
tatgaaaggt ggaggtggtg gtggaggtac ttactcttgc cacttcggcc cgctgacttg	60
g	61

<210> 391

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

<400> 391	
cggtttgcaa acccaagtca gcgggccgaa gtggcaagag taagtacctc caccaccacc	60
tccacctttc at	72

<210> 392

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

<400> 392	
gtttgcaaac cgcagggtgg cgcgggcggc ggcggtggtg cctattcctg tcatttt	57

&lt;210&gt; 393

&lt;211&gt; 60

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

&lt;400&gt; 393

ccaggtcagc gggccaaaat gacaggaata ggtaccaccg ccgccgccgc cgccaccctg 60

&lt;210&gt; 394

&lt;211&gt; 118

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (2)..(118)

&lt;223&gt;

&lt;400&gt; 394

t	atg	aaa	ggt	gga	ggt	ggt	ggt	gga	ggt	act	tac	tct	tgc	cac	ttc	ggc	49
	Met	Lys	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Thr	Tyr	Ser	Cys	His	Phe	Gly	
1				5						10					15		

ccg	ctg	act	tgg	ggt	tgc	aaa	ccg	cag	ggt	ggc	ggc	ggc	ggc	ggc	ggc	ggt	97
Pro	Leu	Thr	Trp	Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	
			20					25					30				

ggt	acc	tat	tcc	tgt	cat	ttt											118
Gly	Thr	Tyr	Ser	Cys	His	Phe											
		35															

&lt;210&gt; 395

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> SEQUENCE COMPRISING PL PROMOTER USED TO CONSTRUCT EMP

<400> 395

Met Lys Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His Phe Gly  
1 5 10 15

Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly Gly Gly Gly  
20 25 30

Gly Thr Tyr Ser Cys His Phe  
35

<210> 396

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER TO AMPLIFY EMP CONSTRUCT

<400> 396

gcagaagagc ctctccctgt ctccgggtaa aggtggaggt ggtggtggag gtacttactc 60  
t 61

<210> 397

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTISENSE PCR PRIMER TO AMPLIFY EMP CONSTRUCT

<400> 397

ctaattggat ccacgagatt aaccaccctg cggtttgcaa 40

<210> 398

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTISENSE PRIMER FOR TNF- $\alpha$  INHIBITOR PEPTIDE CONSTRUCT

<400> 398  
ccgcggatcc attacggacg gtgacccaga gaggtgtttt tgtagtgcgg caggaagtca 60  
ccaccacctc cacctttacc c 81

<210> 399

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR Fc-LINKER SEQUENCE

<400> 399  
agagtaagta cctccaccac cacctccacc ttaccccgga gacagggaga ggctcttctg 60  
c 61

<210> 400

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP

<400> 400  
ggcccgctga cctgggtatg taagccacaa gggggtgggg gaggcggggg gtaatctcga 60  
g 61

<210> 401

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP

<400> 401  
gatcctcgag attaccccc gcctccccca ccccttctgt gcttacatac 50

<210> 402

&lt;211&gt; 118

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EMP CONSTRUCT

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(108)

&lt;223&gt;

&lt;400&gt; 402

gtt	tgc	aaa	ccg	cag	ggt	ggc	ggc	ggc	ggc	ggc	ggc	ggt	ggt	acc	tat	tcc	48
Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Thr	Tyr	Ser	
1				5					10						15		

tgt	cat	ttt	ggc	ccg	ctg	acc	tgg	gta	tgt	aag	cca	caa	ggg	ggt	ggg		96
Cys	His	Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly		
			20					25					30				

gga	ggc	ggg	ggg	taatctcgag													118
Gly	Gly	Gly	Gly														
			35														

&lt;210&gt; 403

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EMP CONSTRUCT

&lt;400&gt; 403

val	Cys	Lys	Pro	Gln	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Thr	Tyr	Ser	
1				5					10						15		

Cys	His	Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly		
			20					25					30				

Gly	Gly	Gly	Gly														
			35														

&lt;210&gt; 404

&lt;211&gt; 39



<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR EMP CONSTRUCT

<400> 404

ttatttcata tgaaaggtgg taactattcc tgtcatttt

39

<210> 405

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTISENSE PCR PRIMER FOR EMP CONSTRUCT

<400> 405

tggacatgtg tgagttttgt cccccccgcc tccccacccc cct

43

<210> 406

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR Fc CONSTRUCT

<400> 406

agggggtggg ggagggcgggg gggacaaaac tcacacatgt cca

43

<210> 407

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR Fc CONSTRUCT

<400> 407

gttattgctc agcgggtggca

20

<210> 408

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 408

ttttttatcg atttgattct agatttgagt tttaactttt agaaggagga ataaaaatag 60

<210> 409

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 409

taaaagttaa aactcaaac tagaatcaaa tcgataaaaa a 41

<210> 410

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 410

ggagggtactt actcttgcca cttcggtccg ctgacttggg ttgcaaacc g 51

<210> 411

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 411  
agtcagcggg ccgaagtggc aagagtaagt acctccata ttttattcct ccttc 55

<210> 412

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 412  
caggggtggcg gcggcgggcg cggtggtacc tattcctgtc attttggccc gctgacctgg 60

<210> 413

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 413  
aaaatgacag gaataggtac caccgccgcc gccgccgcca ccctgcggtt tgcaaacc 60

<210> 414

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

<400> 414  
gtatgtaagc cacaaggggg tgggggaggg gggggggaca aaactcacac atgtcca 57

<210> 415

<211> 60

<212> DNA

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; OLIGONUCLEOTIDE USED TO CONSTRUCT EMP-EMP-FC

&lt;400&gt; 415

agttttgtcc cccccgcctc cccaccccc ttgtggctta catacccagg tcagcgggcc 60

&lt;210&gt; 416

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EMP-EMP CONSTRUCT

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (58)..(228)

&lt;223&gt;

&lt;400&gt; 416

ttttttatcg atttgattct agatttgagt tttaactttt agaaggagga ataaaat 57

atg	gga	ggt	act	tac	tct	tgc	cac	ttc	ggc	ccg	ctg	act	tgg	gtt	tgc	105
Met	Gly	Gly	Thr	Tyr	Ser	Cys	His	Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	
1				5					10					15		

aaa	ccg	cag	ggt	ggc	ggc	ggc	ggc	ggc	ggt	ggt	acc	tat	tcc	tgt	cat	153
Lys	Pro	Gln	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Thr	Tyr	Ser	Cys	His	
			20					25					30			

ttt	ggc	ccg	ctg	acc	tgg	gta	tgt	aag	cca	caa	ggg	ggt	ggg	gga	ggc	201
Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	Lys	Pro	Gln	Gly	Gly	Gly	Gly	Gly	
			35				40					45				

ggg	ggg	gac	aaa	act	cac	aca	tgt	cca								228
Gly	Gly	Asp	Lys	Thr	His	Thr	Cys	Pro								
	50					55										

&lt;210&gt; 417

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EMP-EMP CONSTRUCT

&lt;400&gt; 417

Met Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys  
 1 5 10 15

Lys Pro Gln Gly Gly Gly Gly Gly Gly Gly Gly Thr Tyr Ser Cys His  
 20 25 30

Phe Gly Pro Leu Thr Trp Val Cys Lys Pro Gln Gly Gly Gly Gly  
 35 40 45

Gly Gly Asp Lys Thr His Thr Cys Pro  
 50 55

<210> 418

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR PRIMER FOR EMP-EMP CONSTRUCT

<400> 418  
 ctaattggat cctcgagatt aacccccttg tggcttacat

40

<210> 419

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1, 3, 4, 5, 6, 9, 12, 13, 14, 15)..(16)

<223> Xaa (Positions 1, 3, 9, 14, 15 & 16) can be any one of the 20 L-amino acids

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Xaa can be R, H, L or W

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Xaa can be M, F or I

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Xaa can be D, E, I, L or V

<220>

<221> misc\_feature

<222> (13)..(13)

<223> Xaa can be C, A, a-amino-y-bromobutyric acid or Hoc

<400> 419

Xaa Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa Xaa Xaa Xaa  
1 5 10 15

<210> 420

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1, 3, 5, 6, 9, 12, 14, 15)..(16)

<223> Xaa = any amino acid residue

<400> 420

Xaa Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Xaa Xaa  
1 5 10 15

<210> 421

```

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> EPO-MIMETIC PEPTIDE
<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa can be R, H, L, or W

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa can be M, F, or I

<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa is independently selected from any one of the 20 genetically
      coded L-amino acids or the stereoisomeric D-amino acids

<220>
<221> misc_feature
<222> (9)..(9)
<223> Xaa can be D, E, I, L, or V.

<400> 421
Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys
1      5      10

<210> 422
<211> 19
<212> PRT
<213> Artificial Sequence

```

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 422

Gly Gly Thr Tyr Ser Cys His Gly Pro Leu Thr Trp Val Cys Lys Pro  
1 5 10 15

Gln Gly Gly

<210> 423

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 423

Val Gly Asn Tyr Met Ala His Met Gly Pro Ile Thr Trp Val Cys Arg  
1 5 10 15

Pro Gly Gly

<210> 424

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 424

Gly Gly Pro His His Val Tyr Ala Cys Arg Met Gly Pro Leu Thr Trp  
1 5 10 15

Ile Cys

<210> 425

<211> 18



&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 425

Gly	Gly	Thr	Tyr	Ser	Cys	His	Phe	Gly	Pro	Leu	Thr	Trp	Val	Cys	Lys
1				5					10					15	

Pro Gln

&lt;210&gt; 426

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 426

Gly	Gly	Leu	Tyr	Ala	Cys	His	Met	Gly	Pro	Met	Thr	Trp	Val	Cys	Gln
1				5					10					15	

Pro Leu Arg Gly  
20

&lt;210&gt; 427

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 427

Thr	Ile	Ala	Gln	Tyr	Ile	Cys	Tyr	Met	Gly	Pro	Glu	Thr	Trp	Glu	Cys
1				5					10					15	

Arg Pro Ser Pro Lys Ala  
20

<210> 428

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 428

Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10

<210> 429

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 429

Tyr Cys His Phe Gly Pro Leu Thr Trp Val Cys  
1 5 10

<210> 430

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 430

Ala Glu Pro Val Tyr Gln Tyr Glu Leu Asp Ser Tyr Leu Arg Ser Tyr  
1 5 10 15

Tyr

<210> 431

<211> 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; UKR ANTAGONIST PEPTIDE

&lt;400&gt; 431

Ala Glu Leu Asp Leu Ser Thr Phe Tyr Asp Ile Gln Tyr Leu Leu Arg  
 1 5 10 15

Thr

&lt;210&gt; 432

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; UKR ANTAGONIST PEPTIDE

&lt;400&gt; 432

Ala Glu Phe Phe Lys Leu Gly Pro Asn Gly Tyr Val Tyr Leu His Ser  
 1 5 10 15

Ala

&lt;210&gt; 433

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; UKR ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (4, 5)..(6)

&lt;223&gt; xaa = any amino acid

<400> 433

Phe Lys Leu Xaa Xaa Xaa Gly Tyr Val Tyr Leu  
1 5 10

<210> 434

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<400> 434

Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr Thr Leu  
1 5 10 15

Asn

<210> 435

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> UKR ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3, 5)..(6)

<223> Xaa = any amino acid

<400> 435

Tyr His Xaa Leu Xaa Xaa Gly Tyr Met Tyr Thr  
1 5 10

<210> 436

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 436

Arg Asn Arg Gln Lys Thr  
1 5

<210> 437

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 437

Arg Asn Arg Gln  
1

<210> 438

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 438

Arg Asn Arg Gln Lys  
1 5

<210> 439

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 439

Asn Arg Gln Lys Thr  
1 5

<210> 440

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> MAST CELL ANTAGONISTS/PROTEASE INHIBITOR PEPTIDE

<400> 440

Arg Gln Lys Thr  
1

<210> 441

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (2, 5)..(7)

<223> Xaa = any amino acid

<400> 441

Arg Xaa Glu Thr Xaa Trp Xaa  
1 5

<210> 442

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2, 5)..(7)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 442

Arg Xaa Glu Thr Xaa Trp Xaa  
 1 5

&lt;210&gt; 443

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(6)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 443

Arg Gly Asp Gly Xaa  
 1 5

&lt;210&gt; 444

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (6)..(6)

&lt;223&gt; Xaa = any amino acid

<400> 444

Cys Arg Gly Asp Gly Xaa Cys  
1 5

<210> 445

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (2, 3, 4, 8, 9, 10, 11, 12, 13)..(14)

<223> Xaa = any amino acid

<400> 445

Cys Xaa Xaa Xaa Arg Leu Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys  
1 5 10 15

<210> 446

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 446

Cys Ala Arg Arg Leu Asp Ala Pro Cys  
1 5

<210> 447

<211> 9

<212> PRT

<213> Artificial sequence



<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 447

Cys Pro Ser Arg Leu Asp Ser Pro Cys  
1 5

<210> 448

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 3, 7, 8)..(9)

<223> Xaa are capable of forming a cyclizing bond

<220>

<221> misc\_feature

<222> (2)..(5)

<223> Feature at 1, 5 is an amino acid capable of forming a cyclizing bond and attached to 1-5 amino acid linker

<400> 448

Xaa Xaa Xaa Arg Gly Asp Xaa Xaa Xaa  
1 5

<210> 449

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (2)..(8)

<223> Xaa = any amino acid

<400> 449

Cys Xaa Cys Arg Gly Asp Cys Xaa Cys  
1 5

<210> 450

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 450

Cys Asp Cys Arg Gly Asp Cys Phe Cys  
1 5

<210> 451

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 451

Cys Asp Cys Arg Gly Asp Cys Leu Cys  
1 5

<210> 452

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 452

Cys Leu Cys Arg Gly Asp Cys Ile Cys  
 1 5

<210> 453

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 5, 6, 7)..(8)

<223> Xaa = any amino acid

<400> 453

Xaa Xaa Asp Asp Xaa Xaa Xaa Xaa  
 1 5

<210> 454

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 3, 6, 7, 8, 9)..(10)

<223> Xaa = any amino acid

<400> 454

Xaa Xaa Xaa Asp Asp Xaa Xaa Xaa Xaa Xaa  
 1 5 10

<210> 455

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 455

Cys Trp Asp Asp Gly Trp Leu Cys  
1 5

<210> 456

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 456

Cys Trp Asp Asp Leu Trp Trp Leu Cys  
1 5

<210> 457

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 457

Cys Trp Asp Asp Gly Leu Met Cys  
1 5

<210> 458

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 458

Cys Trp Asp Asp Gly Trp Met Cys  
1 5

<210> 459

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 459

Cys Ser Trp Asp Asp Gly Trp Leu Cys  
1 5

<210> 460

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 460

Cys Pro Asp Asp Leu Trp Trp Leu Cys  
1 5

<210> 461

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (2,)..(8)

<223> Xaa can be any of the 20 L-amino acids

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa can be C, A, a-amino-γ-bromobutyric acid or Hoc

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Xaa can be R, H, L or W

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Xaa can be M, F or I; Xaa

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Xaa can be D, E, I, L or V

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Xaa can be C, A, a-amino-γ-bromobutyric acid or Hoc; provided that Xaa (Pos3 or 12) is C or Hoc.

<400> 461

Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa  
1 5 10

<210> 462

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 462

Cys Gln Asn Arg Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Asn Glu  
1 5 10 15

<210> 463

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 463

Ala Glu Asn Trp Ala Asp Asn Glu Pro Asn Asn Lys Arg Asn Asn Glu  
1 5 10 15

Asp

<210> 464

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 464

Arg Lys Asn Asn Lys Thr Trp Thr Trp Val Gly Thr Lys Lys Ala Leu  
1 5 10 15

Thr Asn Glu

<210> 465

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<400> 465

Lys Lys Ala Leu Thr Asn Glu Ala Glu Asn Trp Ala Asp  
1 5 10

<210> 466

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(15)

<223> Xaa = any amino acid

<400> 466

Cys Gln Xaa Arg Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Xaa Glu  
1 5 10 15

<210> 467

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3, 5, 6, 13)..(15)

<223> Xaa = any amino acid



&lt;400&gt; 467

Arg Lys Xaa Asn Xaa Xaa Trp Thr Trp Val Gly Thr Xaa Lys Xaa Leu  
 1 5 10 15

Thr Glu Glu

&lt;210&gt; 468

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SELECTIN ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (13)..(15)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 468

Ala Glu Asn Trp Ala Asp Gly Glu Pro Asn Asn Lys Xaa Asn Xaa Glu  
 1 5 10 15

Asp

&lt;210&gt; 469

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; SELECTIN ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2, 3, 4, 7)..(15)

&lt;223&gt; Xaa = any amino acid

<400> 469

Cys Xaa Xaa Xaa Tyr Thr Xaa Leu Val Ala Ile Gln Asn Lys Xaa Glu  
1 5 10 15

<210> 470

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3, 4, 5, 6, 8, 13, 15)..(18)

<223> xaa = any amino acid

<400> 470

Arg Lys Xaa Xaa Xaa Xaa Trp Xaa Trp Val Gly Thr Xaa Lys Xaa Leu  
1 5 10 15

Thr Xaa Glu

<210> 471

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (2, 5, 6, 7, 12, 13)..(14)

<223> xaa = any amino acid

<400> 471

Ala Xaa Asn Trp Xaa Xaa Xaa Glu Pro Asn Asn Xaa Xaa Xaa Glu Asp  
1 5 10 15

<210> 472

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SELECTIN ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1, 3, 6, 9, 12)..(13)

<223> Xaa = any amino acid

<400> 472

Xaa Lys Xaa Lys Thr Xaa Glu Ala Xaa Asn Trp Xaa Xaa  
1 5 10

<210> 473

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa is Asp-Arg-Met-Pro-Cys, Arg-Met-Pro-Cys, Met-Pro-Cys, Pro-Cys  
or Cys;

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Xaa is Arg or Lys

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Xaa is Ser or Thr

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Xaa is Cys-Lys or Cys.

<400> 473

Xaa Xaa Asn Phe Phe Trp Lys Thr Phe Xaa Ser Xaa  
1 5 10

<210> 474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 474

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10 15

Lys

<210> 475

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 475

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys  
1 5 10 15

<210> 476

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 476

Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys  
1 5 10

<210> 477

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 477

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10 15

<210> 478

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 478

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10

<210> 479

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 479

Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10

<210> 480

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 480

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10 15

<210> 481

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 481

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys  
1 5 10 15

<210> 482

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 482

A-527A.ST25.txt

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys  
1 5 10

<210> 483

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 483

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10 15

<210> 484

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 484

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10

<210> 485

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 485

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys  
1 5 10

<210> 486

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 486

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10 15

Lys

<210> 487

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 487

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys  
1 5 10 15

<210> 488

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 488

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys  
1 5 10

<210> 489

<211> 16

<212> PRT

<213> Artificial Sequence



<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 489

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10 15

<210> 490

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 490

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10

<210> 491

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 491

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10

<210> 492

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 492

A-527A.ST25.txt

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10 15

Lys

<210> 493

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 493

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys  
1 5 10 15

<210> 494

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 494

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys  
1 5 10

<210> 495

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 495

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10 15

<210> 496

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 496

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10

<210> 497

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE

<400> 497

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys  
1 5 10

<210> 498

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> CAP37 MIMETIC/LPS BINDING PEPTIDE

<400> 498

Asn Gln Gly Arg His Phe Cys Gly Gly Ala Leu Ile His Ala Arg Phe  
1 5 10 15

Val Met Thr Ala Ala Ser Cys Phe Gln  
20 25

<210> 499

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> CAP37 MIMETIC/LPS BINDING PEPTIDE

<400> 499

Arg His Phe Cys Gly Gly Ala Leu Ile His Ala Arg Phe Val Met Thr  
1 5 10 15

Ala Ala Ser Cys  
20

<210> 500

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> CAP37 MIMETIC/LPS BINDING PEPTIDE

<400> 500

Gly Thr Arg Cys Gln Val Ala Gly Trp Gly Ser Gln Arg Ser Gly Gly  
1 5 10 15

Arg Leu Ser Arg Phe Pro Arg Phe Val Asn Val  
20 25

<210> 501

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF- ANTAGONIST PEPTIDE

<400> 501

Gly Glu Arg Trp Cys Phe Asp Gly Pro Arg Ala Trp Val Cys Gly Trp  
1 5 10 15

Glu Ile

<210> 502

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF- ANTAGONIST PEPTIDE

<400> 502

Glu Glu Leu Trp Cys Phe Asp Gly Pro Arg Ala Trp Val Cys Gly Tyr  
1 5 10 15

Val Lys

<210> 503

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 503

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys  
1 5 10 15

Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln  
20 25 30

Gln

<210> 504

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature  
 <222> (7, 18,)..(19)  
 <223> D amino acid residue

<400> 504  
 Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys  
 1 5 10 15  
 Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln  
 20 25 30  
 Glu

<210> 505  
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 <212> PRT  
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<220>  
 <223> ANTIPATHOGENIC PEPTIDE  
 <220>  
 <221> misc\_feature  
 <223> Positions 18 and 19, D amino acid residues

<400> 505  
 Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys  
 1 5 10 15  
 Thr Leu Leu Ser Ala Val  
 20

<210> 506  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<223> Positions 7, 18 and 19, D amino acid residues

<400> 506

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys  
1 5 10 15

Thr Leu Leu Ser Ala Val  
20

<210> 507

<211> 23

<212> PRT

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<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<223> Positions 8, 19 and 20, D amino acid residues

<400> 507

Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe  
1 5 10 15

Lys Thr Leu Leu Ser Ala Val  
20

<210> 508

<211> 24

<212> PRT

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<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<223> Positions 9, 20 and 21, D amino acid residues

<400> 508

Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu  
1 5 10 15

Phe Lys Thr Leu Leu Ser Ala Val  
20

<210> 509

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (9, 20)..(21)

<223> D amino acid residues

<400> 509

Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu  
1 5 10 15

Phe Lys Thr Leu Leu Ser Ala Val  
20

<210> 510

<211> 11

<212> PRT

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<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (7)..(7)



<223> D amino acid residue

<400> 510

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser  
1 5 10

<210> 511

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 511

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

<210> 512

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (5, 8, 17)..(23)

<223> Positions 5, 8, 17 and 23, D amino acid residues

<400> 512

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

<210> 513

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (5, 18, 17)..(23)

<223> Positions 5, 18, 17 and 23, D amino acid residues

<400> 513

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

<210> 514

<211> 22

<212> PRT

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<220>

<221> misc\_feature

<223> Positions 5, 8, 17 and 21, D amino acid residues

<400> 514

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg  
20

<210> 515

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<223> Positions 2, 5, 14 and 18, D amino acid residues

<400> 515

Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu Ile Ser Trp  
1 5 10 15

Ile Lys Arg

<210> 516

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (3, 4, 8)..(10)

<223> Positions 3, 4, 8 and 10, D amino acid residues

<400> 516

Lys Leu Leu Leu Leu Lys Leu Leu Leu Leu Lys  
1 5 10

<210> 517

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (3, 4, 8)..(10)

<223> Positions 3, 4, 8 and 10, D amino acid residues

<400> 517

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

<210> 518

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (3, 4, 8)..(10)

<223> D amino acid residues

<400> 518

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 519

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 519

Lys Lys Leu Leu Lys Leu Lys Leu Lys Leu Lys Lys  
1 5 10

<210> 520

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 520

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

<210> 521

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 521

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 522

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 522

Lys Leu Leu Leu Leu Lys  
1 5

<210> 523

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 523

Lys Leu Leu Leu Lys Leu Leu Lys  
1 5

<210> 524

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 524

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 525

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 525

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 526

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 526

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 527

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 527

Lys Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Lys  
1 5 10

<210> 528

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 528

Lys Val Val Val Lys Val Val Val Lys Val Val Lys  
1 5 10

<210> 529

<211> 12

<212> PRT

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<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 529

Lys Val Val Val Lys Val Lys Val Lys Val Val Lys  
1 5 10

<210> 530

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 530

Lys Val Val Val Lys Val Lys Val Lys Val Lys  
1 5 10

<210> 531

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 531

Lys Val Val Val Lys Val Lys Val Lys Val Val Lys  
1 5 10

<210> 532

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 532

Lys Leu Ile Leu Lys Leu  
1 5

<210> 533

<211> 6

<212> PRT

<213> Artificial Sequence



<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 533

Lys Val Leu His Leu Leu  
1 5

<210> 534

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 534

Leu Lys Leu Arg Leu Leu  
1 5

<210> 535

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 535

Lys Pro Leu His Leu Leu  
1 5

<210> 536

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 536

Lys Leu Ile Leu Lys Leu Val Arg  
1 5

<210> 537

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 537

Lys Val Phe His Leu Leu His Leu  
1 5

<210> 538

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 538

His Lys Phe Arg Ile Leu Lys Leu  
1 5

<210> 539

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 539

Lys Pro Phe His Ile Leu His Leu  
1 5

<210> 540

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 540

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

<210> 541

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 541

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

<210> 542

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 542

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

<210> 543

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 543

Lys Ile Pro Ile Lys Ile Lys Ile Lys Ile Pro Lys  
1 5 10

<210> 544

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 544

Lys Ile Pro Ile Lys Ile Lys Ile Lys Ile Val Lys  
1 5 10

<210> 545

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 545

Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 546

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 546

Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 547

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 547

Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 548

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 548

Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg  
1 5 10

<210> 549

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 549

Arg Ile Ile Val Arg Ile Arg Leu Arg Ile Ile Arg  
1 5 10

<210> 550

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 550

Arg Ile Gly Ile Arg Leu Arg Val Arg Ile Ile Arg  
1 5 10

<210> 551

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 551

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg  
1 5 10

<210> 552

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 552

Arg Ile Ala Val Lys Trp Arg Leu Arg Phe Ile Lys  
1 5 10

<210> 553

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 553

Lys Ile Gly Trp Lys Leu Arg Val Arg Ile Ile Arg  
1 5 10

<210> 554

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 554

Lys Lys Ile Gly Trp Leu Ile Ile Arg Val Arg Arg  
1 5 10

<210> 555

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 555

Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg  
1 5 10

<210> 556

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 556

Arg Ile Ile Val Arg Ile Arg Leu Arg Ile Ile Arg Val Arg  
1 5 10

<210> 557

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 557

Arg Ile Gly Ile Arg Leu Arg Val Arg Ile Ile Arg Arg Val  
1 5 10

<210> 558

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 558

Lys Ile Val Ile Arg Ile Arg Ala Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

<210> 559

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 559

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 560

<211> 16

<212> PRT

<213> Artificial Sequence

<220>



<223> ANTIPATHOGENIC PEPTIDE

<400> 560

Lys Ile Gly Ile Lys Ala Arg Val Arg Ile Ile Arg Val Lys Ile Ile  
1 5 10 15

<210> 561

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 561

Arg Ile Ile Val His Ile Arg Leu Arg Ile Ile His His Ile Arg Leu  
1 5 10 15

<210> 562

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 562

His Ile Gly Ile Lys Ala His Val Arg Ile Ile Arg Val His Ile Ile  
1 5 10 15

<210> 563

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 563

Arg Ile Tyr Val Lys Ile His Leu Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 564

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 564

Lys Ile Gly His Lys Ala Arg Val His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

<210> 565

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 565

Arg Ile Tyr Val Lys Pro His Pro Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 566

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 566

Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

<210> 567

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 567

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val

<210> 568

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 568

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys

<210> 569

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 569

Lys Ile Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly  
1 5 10 15

Arg Leu Arg

<210> 570

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 570

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val Lys Val Lys Arg Ile Arg  
20 25

<210> 571

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 571

Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys Ile Arg Lys Arg Val Ile Lys  
20 25

<210> 572

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 572

Lys Ala Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly  
1 5 10 15

Arg Leu Arg Lys Ile Gly Trp Lys Lys Arg Val Arg Ile Lys  
20 25 30

<210> 573

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 573

Arg Ile Tyr Val Lys Pro His Pro Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 574

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 574

Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

<210> 575

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 575

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val

<210> 576

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 576

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys

<210> 577

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 577

Arg Ile Tyr Val Ser Lys Ile Ser Ile Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 578

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 578

Lys Ile Val Ile phe Thr Arg Ile Arg Leu Thr Ser Ile Arg Ile Arg  
1 5 10 15

Ser Ile Val

<210> 579

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 579

Lys Pro Ile His Lys Ala Arg Pro Thr Ile Ile Arg Tyr Lys Met Ile  
1 5 10 15

<210> 580

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, disulfide bond to position 26  
Position 26, disulfide bond to position 1

<400> 580

Xaa Cys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro  
1 5 10 15

Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
20 25

<210> 581

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 581

A-527A.ST25.txt

Cys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro  
 1                    5                    10                    15

Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
                   20                    25

<210> 582

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 582

Cys Lys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser  
 1                    5                    10                    15

Pro Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
                   20                    25

<210> 583

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Disulfide bond to position 17

<220>

<221> misc\_feature

<222> (17)..(17)

<223> Disulfide bond to position 1

<400> 583



A-527A.ST25.txt

Xaa	Cys	Arg	Ile	Val	Ile	Arg	Ile	Arg	Ile	Arg	Leu	Ile	Arg	Ile	Arg
1				5				10						15	

Cys

<210> 584

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, disulfide bond to position 19

<220>

<221> misc\_feature

<222> (19)..(19)

<223> Position 19, disulfide bond to position 1

<400> 584

Xaa	Cys	Lys	Pro	Gly	His	Lys	Ala	Arg	Pro	His	Ile	Ile	Arg	Tyr	Lys
1				5				10						15	

Ile Ile Cys

<210> 585

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, disulfide bond to position 29

<220>

<221> misc\_feature

<222> (29)..(29)

<223> Position 29, disulfide bond to position 1

<400> 585

Xaa Cys Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile  
1 5 10 15

Arg Leu Ile Lys Lys Ile Arg Lys Arg Val Ile Lys Cys  
20 25

<210> 586

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 586

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys Cys  
1 5 10

<210> 587

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPATHOGENIC PEPTIDE

<400> 587

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

&lt;210&gt; 588

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; ANTIPATHOGENIC PEPTIDE

&lt;400&gt; 588

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys Cys  
 1 5 10

&lt;210&gt; 589

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; ANTIPATHOGENIC PEPTIDE

&lt;400&gt; 589

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
 1 5 10

&lt;210&gt; 590

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 590

His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
 1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
 20 25

&lt;210&gt; 591

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 591

His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
 1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
 20 25

&lt;210&gt; 592

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; Position 1, Xaa is L-Lys, D-Lys or an ornithinyl residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2)..(2)

&lt;223&gt; Position 2, Xaa is L-Tyr, D-Tyr, Phe, Trp or a p-aminophenylalanyl residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (3)..(3)

&lt;223&gt; Position 3 is a hydrophobic aliphatic amino acid residue, Position 3, optional attachment to Leu, norleucyl, D-Ala, Asn-Ser, Asn-Ser-Ile-, Asn-Ser-Tyr, Asn-Ser-Ile-Leu, Asn-Ser-Tyr-Leu or Asn-Ser-Tyr-Leu-Asn

<400> 592

Xaa Xaa Xaa  
1

<210> 593

<211> 5

<212> PRT

<213> Artificial sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(3)

<223> Position 1, Xaa is either absent, a hydrophobic aliphatic residue (X5), X5-Asn, Tyr-X5, Lys-X5, Lys-X5-Asn, Lys-Tyr-X5, Lys-Tyr-X5-Asn, Lys-Lys-Tyr-X5, Lys-Lys-Tyr-X5-Asn, Val-Lys-Lys-Tyr-X5, Val-Ala-Lys-Lys-Tyr-X5-Asn, or Ala-Val-Lys-Lys-Tyr-X5-Asn

<400> 593

Xaa Ser Xaa Leu Asn  
1 5

<210> 594

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(6)

<223> Positions 1 and 6, Xaa are cross-linked amino acid residues as defined in W097/40070

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa is a hydrophobic aliphatic aminod acid residue

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, is a covalent bond or Asn, Ser, Ile, Tyr, Leu, Asn-Ser, Asn-Ser-Ile, Asn-Ser-Tyr, Asn-Ser-Ile-Leu, Asn-Ser-Tyr-Leu, Asn-Ser-Ile-Leu-Asn or Asn-Ser-Tyr-Leu-Asn.

<400> 594

Xaa Lys Lys Tyr Xaa Xaa Xaa  
1 5

<210> 595

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 595

Lys Lys Tyr Leu  
1

<210> 596

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 596

Asn Ser Ile Leu Asn  
1 5

<210> 597

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 597

Lys Lys Tyr Leu  
1

<210> 598

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 598

Lys Lys Tyr Ala  
1

<210> 599

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 599

Ala Val Lys Lys Tyr Leu  
1 5

<210> 600

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 600

Ser Ile Leu Asn  
1

<210> 601

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 601

Lys Lys Tyr Val  
1

<210> 602

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa is a lauric acid residue

<400> 602

Ser Ile Xaa Asn  
1

<210> 603

<211> 5

<212> PRT

<213> Artificial Sequence



<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa is a norleucyl residue

<400> 603

Lys Lys Tyr Leu Xaa  
1 5

<210> 604

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 604

Asn Ser Tyr Leu Asn  
1 5

<210> 605

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 605

Asn Ser Ile Tyr Asn  
1 5

<210> 606

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 606

Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn  
1 5 10

<210> 607

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is a lauric acid residue

<400> 607

Xaa Lys Lys Tyr Leu  
1 5

<210> 608

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is a caproic acid residue

<400> 608

Xaa Lys Lys Tyr Leu  
1 5

<210> 609  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Position 4, Xaa is a norleucyl residue

<400> 609  
Lys Lys Tyr Xaa  
1

<210> 610  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<400> 610

Val Lys Lys Tyr Leu  
1 5

<210> 611  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE

<400> 611

Leu Asn Ser Ile Leu Asn  
1 5

<210> 612

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 612

Tyr Leu Asn Ser Ile Leu Asn  
1 5

<210> 613

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 613

Lys Lys Tyr Leu Asn  
1 5

<210> 614

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 614

Lys Lys Tyr Leu Asn Ser  
1 5

<210> 615

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 615

Lys Lys Tyr Leu Asn Ser Ile  
1 5

<210> 616

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 616

Lys Lys Tyr Leu Asn Ser Ile Leu  
1 5

<210> 617

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 617

Lys Lys Tyr Leu  
1

<210> 618

<211> 5

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 618

Lys Lys Tyr Asp Ala  
1 5

&lt;210&gt; 619

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 619

Ala Val Lys Lys Tyr Leu  
1 5

&lt;210&gt; 620

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 620

Asn Ser Ile Leu Asn  
1 5

&lt;210&gt; 621

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 621

Lys Lys Tyr Val  
1

<210> 622  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<220>  
<221> misc\_feature  
<222> (1)..(3)  
<223> Position 3, Xaa is a lauric acid residue

<400> 622  
Xaa Ile Xaa Asn  
1

<210> 623  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<400> 623  
Asn Ser Tyr Leu Asn  
1 5

<210> 624  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<400> 624

Asn Ser Ile Tyr Asn  
1 5

<210> 625  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Position 5, Xaa is a norleucyl residue

<400> 625

Lys Lys Tyr Leu Xaa  
1 5

<210> 626  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE  
<400> 626

Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn  
1 5 10

<210> 627  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> VIP-MIMETIC PEPTIDE



&lt;400&gt; 627

Lys Lys Tyr Leu  
1

&lt;210&gt; 628

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 628

Lys Lys Tyr Asp Ala  
1 5

&lt;210&gt; 629

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC

&lt;400&gt; 629

Ala Val Lys Lys Tyr Leu  
1 5

&lt;210&gt; 630

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 630

Asn Ser Ile Leu Asn  
1 5

&lt;210&gt; 631

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 631

Lys Lys Tyr Val  
1

&lt;210&gt; 632

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(3)

&lt;223&gt; Position 3, Xaa is a lauric acid residue

&lt;400&gt; 632

Xaa Ile Xaa Asn  
1

&lt;210&gt; 633

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

<223> Position 1, Xaa is a lauric acid residue

<400> 633

Xaa Lys Lys Tyr Leu  
1 5

<210> 634

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is a caproic acid residue

<400> 634

Xaa Lys Lys Tyr Leu  
1 5

<210> 635

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Position 4, Xaa is a norleucyl residue

<400> 635

Lys Lys Tyr Xaa  
1

<210> 636  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> VIP-MIMETIC PEPTIDE  
 <400> 636  
 Val Lys Lys Tyr Leu  
 1 5

<210> 637  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> VIP-MIMETIC PEPTIDE  
 <400> 637  
 Leu Asn Ser Ile Leu Asn  
 1 5

<210> 638  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> VIP-MIMETIC PEPTIDE  
 <400> 638  
 Tyr Leu Asn Ser Ile Leu Asn  
 1 5

<210> 639  
 <211> 5  
 <212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa is a norleucyl residue

<400> 639

Lys Lys Tyr Leu Xaa  
1 5

<210> 640

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 640

Lys Lys Tyr Leu Asn  
1 5

<210> 641

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 641

Lys Lys Tyr Leu Asn Ser  
1 5

<210> 642

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 642

Lys Lys Tyr Leu Asn Ser Ile  
1 5

<210> 643

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 643

Lys Lys Tyr Leu Asn Ser Ile Leu  
1 5

<210> 644

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 644

Lys Lys Lys Tyr Leu Asp  
1 5

<210> 645

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Positions 1 and 6 disulfide cross-linked

<400> 645

Xaa Cys Lys Lys Tyr Leu Cys  
1 5

<210> 646

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC

<220>

<221> misc\_feature

<223> Positions 1 and 6 cross-linked by S-CH<sub>2</sub>-CO

<400> 646

Cys Lys Lys Tyr Leu Lys  
1 5

<210> 647

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<223> Position 4, D amino acid residue

&lt;400&gt; 647

Lys Lys Tyr Ala  
1

&lt;210&gt; 648

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 648

Trp Trp Thr Asp Thr Gly Leu Trp  
1 5

&lt;210&gt; 649

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 649

Trp Trp Thr Asp Asp Gly Leu Trp  
1 5

&lt;210&gt; 650

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 650

Trp Trp Asp Thr Arg Gly Leu Trp val Trp Thr Ile  
1 5 10

&lt;210&gt; 651



&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 651

Phe	Trp	Gly	Asn	Asp	Gly	Ile	Trp	Leu	Glu	Ser	Gly
1			5						10		

&lt;210&gt; 652

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC PEPTIDE

&lt;400&gt; 652

Asp	Trp	Asp	Gln	Phe	Gly	Leu	Trp	Arg	Gly	Ala	Ala
1			5						10		

&lt;210&gt; 653

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VIP-MIMETIC

&lt;400&gt; 653

Arg	Trp	Asp	Asp	Asn	Gly	Leu	Trp	Val	Val	Val	Leu
1				5					10		

&lt;210&gt; 654

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 654

Ser Gly Met Trp Ser His Tyr Gly Ile Trp Met Gly  
1 5 10

<210> 655

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 655

Gly Gly Arg Trp Asp Gln Ala Gly Leu Trp Val Ala  
1 5 10

<210> 656

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 656

Lys Leu Trp Ser Glu Gln Gly Ile Trp Met Gly Glu  
1 5 10

<210> 657

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 657

Cys Trp Ser Met His Gly Leu Trp Leu Cys  
1 5 10

<210> 658

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 658

Gly Cys Trp Asp Asn Thr Gly Ile Trp Val Pro Cys  
1 5 10

<210> 659

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 659

Asp Trp Asp Thr Arg Gly Leu Trp Val Tyr  
1 5 10

<210> 660

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 660

Ser Leu Trp Asp Glu Asn Gly Ala Trp Ile  
1 5 10

<210> 661

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 661

Lys Trp Asp Asp Arg Gly Leu Trp Met His  
1 5 10

<210> 662

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 662

Gln Ala Trp Asn Glu Arg Gly Leu Trp Thr  
1 5 10

<210> 663

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 663

Gln Trp Asp Thr Arg Gly Leu Trp Val Ala  
1 5 10

<210> 664

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 664

Trp Asn Val His Gly Ile Trp Gln Glu  
1 5

<210> 665

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 665

Ser Trp Asp Thr Arg Gly Leu Trp Val Glu  
1 5 10

<210> 666

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 666

Asp Trp Asp Thr Arg Gly Leu Trp Val Ala  
1 5 10

<210> 667

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 667

Ser Trp Gly Arg Asp Gly Leu Trp Ile Glu  
1 5 10

<210> 668

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 668

Glu Trp Thr Asp Asn Gly Leu Trp Ala Leu  
1 5 10

<210> 669

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 669

Ser Trp Asp Glu Lys Gly Leu Trp Ser Ala  
1 5 10

<210> 670

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<400> 670

Ser Trp Asp Ser Ser Gly Leu Trp Met Asp  
1 5 10

<210> 671

<211> 11

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 671

Ser	His	Leu	Tyr	Trp	Gln	Pro	Tyr	Ser	Val	Gln
1				5					10	

&lt;210&gt; 672

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 672

Thr	Leu	Val	Tyr	Trp	Gln	Pro	Tyr	Ser	Leu	Gln	Thr
1				5					10		

&lt;210&gt; 673

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 673

Arg	Gly	Asp	Tyr	Trp	Gln	Pro	Tyr	Ser	Val	Gln	Ser
1				5					10		

&lt;210&gt; 674

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 674

Val	His	Val	Tyr	Trp	Gln	Pro	Tyr	Ser	Val	Gln	Thr
1				5					10		

<210> 675

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 675

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr  
1 5 10

<210> 676

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 676

Ser Arg Val Trp Phe Gln Pro Tyr Ser Leu Gln Ser  
1 5 10

<210> 677

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 677

Asn Met Val Tyr Trp Gln Pro Tyr Ser Ile Gln Thr  
1 5 10

<210> 678

<211> 12

<212> PRT



<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 678

Ser Val Val Phe Trp Gln Pro Tyr Ser Val Gln Thr  
1 5 10

<210> 679

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 679

Thr Phe Val Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 680

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 680

Thr Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg  
1 5 10

<210> 681

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 681

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 682

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 682

Ser Pro Val Phe Trp Gln Pro Tyr Ser Ile Gln Ile  
 1 5 10

&lt;210&gt; 683

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 683

Trp Ile Glu Trp Trp Gln Pro Tyr Ser Val Gln Ser  
 1 5 10

&lt;210&gt; 684

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 684

Ser Leu Ile Tyr Trp Gln Pro Tyr Ser Leu Gln Met  
 1 5 10

&lt;210&gt; 685

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 685

Thr Arg Leu Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 686

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST

<400> 686

Arg Cys Asp Tyr Trp Gln Pro Tyr Ser Val Gln Thr  
1 5 10

<210> 687

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 687

Met Arg Val Phe Trp Gln Pro Tyr Ser Val Gln Asn  
1 5 10

<210> 688

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 688

Lys Ile Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr  
1 5 10

<210> 689

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 689

Arg His Leu Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 690

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 690

Ala Leu Val Trp Trp Gln Pro Tyr Ser Glu Gln Ile  
1 5 10

<210> 691

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 691

Ser Arg Val Trp Phe Gln Pro Tyr Ser Leu Gln Ser  
1 5 10

<210> 692

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 692

Trp Glu Gln Pro Tyr Ala Leu Pro Leu Glu  
1 5 10

<210> 693

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 693

Gln Leu Val Trp Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 694

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 694

Asp Leu Arg Tyr Trp Gln Pro Tyr Ser Val Gln Val  
1 5 10

<210> 695

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 695

Glu Leu Val Trp Trp Gln Pro Tyr Ser Leu Gln Leu  
1 5 10

<210> 696

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 696

Asp Leu Val Trp Trp Gln Pro Tyr Ser Val Gln Trp  
1 5 10

<210> 697

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 697

Asn Gly Asn Tyr Trp Gln Pro Tyr Ser Phe Gln Val  
1 5 10

<210> 698

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 698

Glu Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg  
 1 5 10

&lt;210&gt; 699

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 699

Glu Leu Met Tyr Trp Gln Pro Tyr Ser Val Gln Glu  
 1 5 10

&lt;210&gt; 700

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 700

Asn Leu Leu Tyr Trp Gln Pro Tyr Ser Met Gln Asp  
 1 5 10

&lt;210&gt; 701

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 701

Gly Tyr Glu Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 702

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 702

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 703

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 703

Leu Ser Glu Gln Tyr Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 704

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 704

Gly Gly Gly Trp Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 705

<211> 12

<212> PRT

<213> Artificial Sequence



&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 705

Val Gly Arg Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
1 5 10

&lt;210&gt; 706

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 706

Val His Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

&lt;210&gt; 707

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 707

Gln Ala Arg Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
1 5 10

&lt;210&gt; 708

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 708

Val His Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr  
1 5 10

<210> 709

<211> 12

<212> PRT

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 709

Arg Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 710

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 710

Thr Arg Val Trp Phe Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 711

<211> 12

<212> PRT

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<223> IL-1 ANTAGONIST PEPTIDE

<400> 711

Gly Arg Ile Trp Phe Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 712

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 712

Gly Arg Val Trp Phe Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 713

<211> 12

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 713

Ala Arg Thr Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 714

<211> 12

<212> PRT

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<223> IL-1 ANTAGONIST PEPTIDE

<400> 714

Ala Arg Val Trp Trp Gln Pro Tyr Ser Val Gln Met  
1 5 10

<210> 715

<211> 12

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 715

Arg Leu Met Phe Tyr Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 716

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 716

Glu Ser Met Trp Tyr Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 717

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 717

His Phe Gly Trp Trp Gln Pro Tyr Ser Val His Met  
 1 5 10

&lt;210&gt; 718

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 718

Ala Arg Phe Trp Trp Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 719

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 719

Arg	Leu	Val	Tyr	Trp	Gln	Pro	Tyr	Ala	Pro	Ile	Tyr
1				5					10		

&lt;210&gt; 720

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 720

Arg	Leu	Val	Tyr	Trp	Gln	Pro	Tyr	Ser	Tyr	Gln	Thr
1				5					10		

&lt;210&gt; 721

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 721

Arg	Leu	Val	Tyr	Trp	Gln	Pro	Tyr	Ser	Leu	Pro	Ile
1				5					10		

&lt;210&gt; 722

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 722

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Ala  
1 5 10

<210> 723

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 723

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Lys Gly Leu  
1 5 10

<210> 724

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST

<400> 724

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Gln Gly Leu  
1 5 10

<210> 725

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 725

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Met Pro Leu  
1 5 10

<210> 726

<211> 12

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 726

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Val Gln Ala  
1 5 10

<210> 727

<211> 12

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 727

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Leu Gly Leu  
1 5 10

<210> 728

<211> 12

<212> PRT

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<223> IL-1 ANTAGONIST PEPTIDE

<400> 728

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Arg Glu Leu  
1 5 10

<210> 729

<211> 12

<212> PRT

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<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 729

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Arg Gln Pro  
1 5 10

<210> 730

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 730

Ser Arg Val Trp Tyr Gln Pro Tyr Phe Val Gln Pro  
1 5 10

<210> 731

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 731

Glu Tyr Glu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 732

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE



&lt;400&gt; 732

Ile	Pro	Glu	Tyr	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 733

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 733

Ser	Arg	Ile	Trp	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1			5						10		

&lt;210&gt; 734

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 734

Asp	Pro	Leu	Phe	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 735

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 735

Ser	Arg	Gln	Trp	Val	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 736

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 736

Ile Arg Ser Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 737

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 737

Arg Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 738

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 738

Arg Leu Leu Trp Val Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 739

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 739

Glu Tyr Arg Trp Phe Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 740

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 740

Asp Ala Tyr Trp Val Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 741

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 741

Trp Ser Gly Tyr Phe Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 742

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 742

Asn Ile Glu Phe Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 743

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 743

Thr Arg Asp Trp Val Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 744

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 744

Asp Ser Ser Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 745

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 745

Ile Gly Asn Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 746

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 746

Asn Leu Arg Trp Asp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 747

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 747

Leu Pro Glu Phe Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 748

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 748

Asp Ser Tyr Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 749

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 749

Arg Ser Gln Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 750

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 750

Ala Arg Phe Trp Leu Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 751

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 751

Asn Ser Tyr Phe Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 752

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 752

Arg Phe Met Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
 1 5 10

&lt;210&gt; 753

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 753

Ala His Leu Phe Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 754

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 754

Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5

<210> 755

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 755

Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5

<210> 756

<211> 9

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 756

Tyr Phe Gln Pro Tyr Ala Leu Gly Leu  
 1 5

&lt;210&gt; 757

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 757

Tyr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 758

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 758

Arg Trp Trp Gln Pro Tyr Ala Thr Pro Leu  
 1 5 10

&lt;210&gt; 759

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 759

Gly Trp Tyr Gln Pro Tyr Ala Leu Gly Phe  
 1 5 10



<210> 760

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 760

Tyr Trp Tyr Gln Pro Tyr Ala Leu Gly Leu  
1 5 10

<210> 761

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 761

Ile Trp Tyr Gln Pro Tyr Ala Met Pro Leu  
1 5 10

<210> 762

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 762

Ser Asn Met Gln Pro Tyr Gln Arg Leu Ser  
1 5 10

<210> 763

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 763

Thr Phe Val Tyr Trp Gln Pro Tyr Ala Val Gly Leu Pro Ala Ala Glu  
1 5 10 15

Thr Ala Cys Asn  
20

<210> 764

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 764

Thr Phe Val Tyr Trp Gln Pro Tyr Ser Val Gln Met Thr Ile Thr Gly  
1 5 10 15

Lys Val Thr Met  
20

<210> 765

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (12, 13)..(16)

<223> Xaa = any amino acid

<400> 765

Thr Phe Val Tyr Trp Gln Pro Tyr Ser Ser His Xaa Xaa Val Pro Xaa  
 1 5 10 15

Gly Phe Pro Leu  
 20

<210> 766

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 766

Thr Phe Val Tyr Trp Gln Pro Tyr Tyr Gly Asn Pro Gln Trp Ala Ile  
 1 5 10 15

His Val Arg His  
 20

<210> 767

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 767

Thr Phe Val Tyr Trp Gln Pro Tyr Val Leu Leu Glu Leu Pro Glu Gly  
 1 5 10 15

Ala Val Arg Ala  
 20

<210> 768

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 768

Thr	Phe	Val	Tyr	Trp	Gln	Pro	Tyr	Val	Asp	Tyr	Val	Trp	Pro	Ile	Pro
1				5					10					15	

Ile	Ala	Gln	Val
			20

&lt;210&gt; 769

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 769

Gly	Trp	Tyr	Gln	Pro	Tyr	Val	Asp	Gly	Trp	Arg
1			5					10		

&lt;210&gt; 770

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 770

Arg	Trp	Glu	Gln	Pro	Tyr	Val	Lys	Asp	Gly	Trp	Ser
1			5						10		

&lt;210&gt; 771

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 771

Glu Trp Tyr Gln Pro Tyr Ala Leu Gly Trp Ala Arg  
 1 5 10

<210> 772

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 772

Gly Trp Trp Gln Pro Tyr Ala Arg Gly Leu  
 1 5 10

<210> 773

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 773

Leu Phe Glu Gln Pro Tyr Ala Lys Ala Leu Gly Leu  
 1 5 10

<210> 774

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 774

Gly Trp Glu Gln Pro Tyr Ala Arg Gly Leu Ala Gly  
 1 5 10

<210> 775

<211> 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 775

Ala	Trp	Val	Gln	Pro	Tyr	Ala	Thr	Pro	Leu	Asp	Glu
1			5						10		

&lt;210&gt; 776

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 776

Met	Trp	Tyr	Gln	Pro	Tyr	Ser	Ser	Gln	Pro	Ala	Glu
1			5						10		

&lt;210&gt; 777

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 777

Gly	Trp	Thr	Gln	Pro	Tyr	Ser	Gln	Gln	Gly	Glu	Val
1			5						10		

&lt;210&gt; 778

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 778

Asp	Trp	Phe	Gln	Pro	Tyr	Ser	Ile	Gln	Ser	Asp	Glu
1				5					10		

&lt;210&gt; 779

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 779

Pro	Trp	Ile	Gln	Pro	Tyr	Ala	Arg	Gly	Phe	Gly
1				5					10	

&lt;210&gt; 780

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 780

Arg	Pro	Leu	Tyr	Trp	Gln	Pro	Tyr	Ser	Val	Gln	Val
1				5					10		

&lt;210&gt; 781

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 781

Thr	Leu	Ile	Tyr	Trp	Gln	Pro	Tyr	Ser	Val	Gln	Ile
1				5					10		

<210> 782

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 782

Arg Phe Asp Tyr Trp Gln Pro Tyr Ser Asp Gln Thr  
1 5 10

<210> 783

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 783

Trp His Gln Phe Val Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 784

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 784

Glu Trp Asp Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr Leu Leu  
1 5 10 15

Arg

<210> 785

<211> 17



&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 785

Trp Glu Gln Asn Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Phe Ala  
 1 5 10 15

Asp

&lt;210&gt; 786

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 786

Ser Asp Val Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Leu Glu Met  
 1 5 10 15

&lt;210&gt; 787

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 787

Tyr Tyr Asp Gly Val Tyr Trp Gln Pro Tyr Ser Val Gln Val Met Pro  
 1 5 10 15

Ala

&lt;210&gt; 788

&lt;211&gt; 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 788

Ser Asp Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 789

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 789

Gln Arg Ile Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 790

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 790

Ser Arg Ile Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 791

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 791

Arg	Ser	Leu	Tyr	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 792

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 792

Thr	Ile	Ile	Trp	Glu	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 793

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 793

Trp	Glu	Thr	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

&lt;210&gt; 794

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 794

Ser	Tyr	Asp	Trp	Glu	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

<210> 795  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <400> 795

Ser Arg Ile Trp Cys Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 796  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <400> 796

Glu Ile Met Phe Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 797  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <400> 797

Asp Tyr Val Trp Gln Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 798  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 798

Met Asp Leu Leu Val Gln Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 799

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 799

Gly Ser Lys Val Ile Leu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 800

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 800

Arg Gln Gly Ala Asn Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 801

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 801

Gly Gly Gly Asp Glu Pro Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15

<210> 802

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 802

Ser Gln Leu Glu Arg Thr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15

<210> 803

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 803

Glu Thr Trp Val Arg Glu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15

<210> 804

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 804

Lys Lys Gly Ser Thr Gln Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15

<210> 805

<211> 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 805

Leu	Gln	Ala	Arg	Met	Asn	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 806

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 806

Glu	Pro	Arg	Ser	Gln	Lys	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 807

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 807

Val	Lys	Gln	Lys	Trp	Arg	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 808

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 808

Leu	Arg	Arg	His	Asp	Val	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 809

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 809

Arg	Ser	Thr	Ala	Ser	Ile	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 810

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 810

Glu	Ser	Lys	Glu	Asp	Gln	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

&lt;210&gt; 811

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 811

Glu	Gly	Leu	Thr	Met	Lys	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15



<210> 812

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 812

Glu Gly Ser Arg Glu Gly Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 813

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 813

Val Ile Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 814

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 814

Val Trp Tyr Trp Glu Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 815

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 815

Ala Ser Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 816

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 816

Phe Tyr Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 817

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 817

Glu Gly Trp Trp Val Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 818

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 818

Trp Gly Glu Trp Leu Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 819

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 819

Asp Tyr Val Trp Glu Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 820

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 820

Ala His Thr Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 821

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 821

Phe Ile Glu Trp Phe Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

<210> 822

<211> 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 822

Trp Leu Ala Trp Glu Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 823

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 823

Val Met Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 824

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 824

Glu Arg Met Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 825

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (2, 3, 5)..(6)

<223> Xaa = any amino acid

<400> 825

Asn Xaa Xaa Trp Xaa Xaa Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 826

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 826

Trp Gly Asn Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 827

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 827

Thr Leu Tyr Trp Glu Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 828

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 828

Val Trp Arg Trp Glu Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 829

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 829

Leu Leu Trp Thr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 830

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(6)

<223> Xaa = any amino acid

<400> 830

Ser Arg Ile Trp Xaa Xaa Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 831

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 831

Ser Asp Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 832

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(6)

<223> Xaa = any amino acid

<400> 832

Trp Gly Tyr Tyr Xaa Xaa Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 833

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 833

Thr Ser Gly Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 834

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(6)

<223> Xaa = any amino acid

<400> 834

Val	His	Pro	Tyr	Xaa	Xaa	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

<210> 835

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 835

Glu	His	Ser	Tyr	Phe	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10		

<210> 836

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<223> Xaa = any amino acid

<220>



<221> misc\_feature

<222> (1)..(2)

<223> Xaa = any amino acid

<400> 836

Xaa Xaa Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 837

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 837

Ala Gln Leu His Ser Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 838

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 838

Trp Ala Asn Trp Phe Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 839

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 839

Ser Arg Leu Tyr Ser Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 840

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 840

Gly Val Thr Phe Ser Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 841

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 841

Ser Ile Val Trp Ser Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 842

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 842

Ser Arg Asp Leu Val Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10

&lt;210&gt; 843

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 843

His Trp Gly His Val Tyr Trp Gln Pro Tyr Ser Val Gln Asp Asp Leu  
 1 5 10 15

Gly

&lt;210&gt; 844

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 844

Ser Trp His Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Val Pro  
 1 5 10 15

Glu

&lt;210&gt; 845

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 845

Trp Arg Asp Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Pro Glu Ser  
 1 5 10 15

Ala

<210> 846

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 846

Thr Trp Asp Ala Val Tyr Trp Gln Pro Tyr Ser Val Gln Lys Trp Leu  
1 5 10 15

Asp

<210> 847

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 847

Thr Pro Pro Trp Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Leu Asp  
1 5 10 15

Pro

<210> 848

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 848

Tyr Trp Ser Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Val His  
1 5 10 15

Ser

<210> 849

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 849

Tyr Trp Tyr Gln Pro Tyr Ala Leu Gly Leu  
1 5 10

<210> 850

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 850

Tyr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 851

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 851

Glu Trp Ile Gln Pro Tyr Ala Thr Gly Leu  
1 5 10

<210> 852

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 852

Asn Trp Glu Gln Pro Tyr Ala Lys Pro Leu  
1 5 10

<210> 853

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 853

Ala Phe Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 854

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 854

Phe Leu Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10

<210> 855

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 855

Val Cys Lys Gln Pro Tyr Leu Glu Trp Cys  
1 5 10

<210> 856

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 856

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 857

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 857

Gln Gly Trp Leu Thr Trp Gln Asp Ser Val Asp Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 858

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 858

Phe Ser Glu Ala Gly Tyr Thr Trp Pro Glu Asn Thr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 859

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 859

Thr Glu Ser Pro Gly Gly Leu Asp Trp Ala Lys Ile Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 860

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 860

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 861

<211> 21

<212> PRT



<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 861

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 862

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 862

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 863

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 863

Met Asn Asp Gln Thr Ser Glu Val Ser Thr Phe Pro Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 864

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 864

Ser Trp Ser Glu Ala Phe Glu Gln Pro Arg Asn Leu Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 865

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 865

Gln Tyr Ala Glu Pro Ser Ala Leu Asn Asp Trp Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 866

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 866

Asn Gly Asp Trp Ala Thr Ala Asp Trp Ser Asn Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 867

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 867

Thr His Asp Glu His Ile Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 868

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 868

Met Leu Glu Lys Thr Tyr Thr Thr Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 869

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 869

Trp Ser Asp Pro Leu Thr Arg Asp Ala Asp Leu Tyr Trp Gln Pro Tyr  
1 5 10 15

Ala Leu Pro Leu  
20

<210> 870

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 870

Ser Asp Ala Phe Thr Thr Gln Asp Ser Gln Ala Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 871

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 871

Gly Asp Asp Ala Ala Trp Arg Thr Asp Ser Leu Thr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 872

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 872

Ala Ile Ile Arg Gln Leu Tyr Arg Trp Ser Glu Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 873

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 873

Glu Asn Thr Tyr Ser Pro Asn Trp Ala Asp Ser Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 874

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 874

Met Asn Asp Gln Thr Ser Glu Val Ser Thr Phe Pro Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 875

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 875

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 876

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 876

Gln Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 877

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 877

Glu Asn Pro Phe Thr Trp Gln Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 878

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 878

Val Thr Pro Phe Thr Trp Glu Asp Ser Asn Val Phe Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 879

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 879

Gln Ile Pro Phe Thr Trp Glu Gln Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 880

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 880

Gln Ala Pro Leu Thr Trp Gln Glu Ser Ala Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 881

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 881

Glu Pro Thr Phe Thr Trp Glu Glu Ser Lys Ala Thr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 882

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 882

Thr Thr Thr Leu Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro °  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 883

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 883

Glu Ser Pro Leu Thr Trp Glu Glu Ser Ser Ala Leu Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 884



&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 884

Glu Thr Pro Leu Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 885

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 885

Glu Ala Thr Phe Thr Trp Ala Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 886

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 886

Glu Ala Leu Phe Thr Trp Lys Glu Ser Thr Ala Tyr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

<210> 887

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 887

Ser Thr Pro Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro Tyr  
1 5 10 15

Ala Leu Pro Leu  
20

<210> 888

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 888

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 889

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 889

Lys Ala Pro Phe Thr Trp Glu Glu Ser Gln Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 890

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 890

Ser Thr Ser Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 891

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 891

Asp Ser Thr Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 892

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 892

Tyr Ile Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 893

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 893

Gln Thr Ala Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 894

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 894

Glu Thr Leu Phe Thr Trp Glu Glu Ser Asn Ala Thr Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 895

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 895

Val Ser Ser Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 896

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 896

Gln Pro Tyr Ala Leu Pro Leu  
1 5

<210> 897

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is a phosphotyrosyl residue

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Position 2, Xaa is a 1-naphthylalanyl residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is an azetidine residue

<400> 897

Xaa Xaa Pro Tyr Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10

<210> 898

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 898

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 899

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 899

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 900

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 900

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

<210> 901

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 901

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	Xaa	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

<210> 902

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 902

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 903

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (13)..(13)

<223> Position 13, Xaa is an azetidine residue

<400> 903

Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Xaa Tyr Ala Leu  
1 5 10 15

Pro Leu

<210> 904

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 904

Ala Asp Val Leu Tyr Trp Gln Pro Tyr Ala Pro Val Thr Leu Trp Val  
1 5 10 15

<210> 905

<211> 17

<212> PRT



<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 905

Gly Asp Val Ala Glu Tyr Trp Gln Pro Tyr Ala Leu Pro Leu Thr Ser  
1 5 10 15

Leu

<210> 906

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 906

Ser Trp Thr Asp Tyr Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Ile Ser  
1 5 10 15

Gly Leu

<210> 907

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1, 2, 7)..(8)

<223> xaa is any amino acid

<220>

<221> misc\_feature

<222> (4)..(4)

<223> xaa is prolyl or an azetidine residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> xaa is S, A, V or L

<400> 907

Xaa Xaa Gln Xaa Tyr Xaa Xaa Xaa  
1 5

<210> 908

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1; 2, 4, 6, 7)..(8)

<223> Position 1, Xaa is Y, W or F  
Position 4, Xaa is prolyl or an azetidine residue  
Position 6, Xaa is S, A, V or L

<400> 908

Xaa Xaa Gln Xaa Tyr Xaa Xaa Xaa  
1 5

<210> 909

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is Y, W or F

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Position 2, Xaa is E, F, V, W or Y

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Position 4, Xaa is prolyl or an azetidine residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is S, A, V or L

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, Xaa is M, F, V, R, Q, K, T, S, D, L, I or E

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Position 8, Xaa is E, L, W, V, H, I, G, A, D, L, Y, N, Q or P

<400> 909

Xaa Xaa Gly Xaa Tyr Xaa Xaa Xaa  
1 5

<210> 910  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IL-1 ANTAGONIST PEPTIDE  
<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Position 1, Xaa is V, L, I, E, P, G, Y, M, T or D

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Position 2, Xaa is Y, W or F

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Position 3, Xaa is E, F, V, W or Y

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Position 5, Xaa is prolyl or an azetidine residue;

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Position 7, Xaa is S, A, V or L

<220>  
<221> misc\_feature

<222> (8)..(8)

<223> Position 8, Xaa is M, F, V, R, Q, K, T, S, D, L, I or E

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Position 9, Xaa is E, L, W, V, H, I, G, A, D, L, Y, N, Q or P

<400> 910

Xaa Xaa Xaa Gln Xaa Tyr Xaa Xaa Xaa  
1 5

<210> 911

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 911

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 912

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Xaa = any amino acid

<400> 912

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

<210> 913  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <400> 913

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Pro	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

<210> 914  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (10)..(10)  
 <223> Position 10, Xaa is an azetidine residue

<400> 914

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Xaa	Tyr	Ala	Leu	Pro	Leu
1				5					10					15

<210> 915  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IL-1 ANTAGONIST PEPTIDE

<400> 915

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 916

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 916

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 917

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa is A, D, E, F, G, K, Q, S, T, V or Y

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Position 2, Xaa is A, D, G, I, N, P, S, T, V or W

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa is A, D, G, L, N, P, S, T, W or Y

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Position 4, Xaa is A, D, E, F, L, N, R, V or Y

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa is A, D, E, Q, R, S or T

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is H, I, L, P, S, T or W

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, Xaa is A, E, F, K, N, Q, R, S or Y;

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Position 8, Xaa is D, E, F, Q, R, T or W

<220>

<221> misc\_feature

<222> (9)..(9)



<223> Position 9, Xaa is A, D, P, S, T or W

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is A, D, G, K, N, Q, S or T

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11, Xaa is A, E, L, P, S, T, V or Y

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Position 12, Xaa is V, L, I, E, P, G, Y, M, T or D

<220>

<221> misc\_feature

<222> (13)..(13)

<223> Position 13, Xaa is Y, W or F

<220>

<221> misc\_feature

<222> (14)..(14)

<223> Position 14, Xaa is E, F, V, W or Y

<220>

<221> misc\_feature

<222> (16)..(16)

<223> Position 16, Xaa is P or an azetidine residue

<220>

<221> misc\_feature

<222> (18)..(18)

<223> Position 18, Xaa is S, A, V or L

<220>

<221> misc\_feature

<222> (19)..(19)

<223> Position 19, Xaa is M, F, V, R, Q, K, T, S, D, L, I or E

<220>

<221> misc\_feature

<222> (20)..(20)

<223> Position 20, Xaa is Q or P.

<400> 917

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gln Xaa  
1 5 10 15

Tyr Xaa Xaa Xaa Leu  
20

<210> 918

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 918

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 919

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 919

Ser Trp Thr Asp Tyr Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Ile Ser  
1 5 10 15

Gly Leu

<210> 920

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 920

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 921

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 921

Glu Asn Thr Tyr Ser Pro Asn Trp Ala Asp Ser Met Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 922

<211> 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 922

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 923

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 923

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro  
 1 5 10 15

Tyr Ala Leu Pro Leu  
 20

&lt;210&gt; 924

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 924

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15

&lt;210&gt; 925

&lt;211&gt; 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 925

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr  
1 5 10

<210> 926

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 926

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 927

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 927

Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr  
1 5 10

<210> 928

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 928

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 929

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 929

Ala Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 930

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 930

Phe	Ala	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 931

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 931

Phe	Glu	Ala	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 932

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 932

Phe Glu Trp Ala Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 933

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 933

Phe Glu Trp Thr Ala Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 934

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 934



Phe Glu Trp Thr Pro Ala Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 935

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 935

Phe Glu Trp Thr Pro Gly Ala Trp Gln Xaa Tyr  
1 5 10

<210> 936

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 936

Phe Glu Trp Thr Pro Gly Tyr Ala Gln Xaa Tyr  
1 5 10

<210> 937

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 937

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Ala
1				5					10	

<210> 938

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 938

Phe	Glu	Trp	Thr	Gly	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 939

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 5, D amino acid residue  
Position 10, Xaa is an azetidine residue

<400> 939

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 940

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 940

Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 941

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(10)

<223> Position 5, Xaa is a pipecolic acid residue  
Position 10, Xaa is an azetidine residue

<400> 941

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 942

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(10)

<223> Position 6, Xaa is an aminoisobutyric acid residue  
Position 10, Xaa is an azetidine residue

<400> 942

Phe Glu Trp Thr Pro Xaa Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 943

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is a sarcosine residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue

&lt;400&gt; 943

Phe	Glu	Trp	Thr	Pro	Xaa	Trp	Tyr	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 944

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(5)

&lt;223&gt; Position 5, Xaa is a sarcosine residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue

&lt;400&gt; 944

Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 945

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 945

Phe	Glu	Trp	Thr	Pro	Asn	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 946

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 946

Phe	Glu	Trp	Thr	Pro	Val	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 947

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 947

Phe Glu Trp Thr Val Pro Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 948

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 948

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 949

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 949

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 950

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = 1-naphthylalanine

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 950



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xaa	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	xaa	Tyr
1				5					10	

<210> 951

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, xaa is an azetidine residue

<400> 951

Tyr	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	xaa	Tyr
1				5					10	

<210> 952

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, xaa is an azetidine residue

<400> 952

Phe	Glu	Trp	val	Pro	Gly	Tyr	Tyr	Gln	xaa	Tyr
1				5					10	

<210> 953

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 953

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 954

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 954

Phe Glu Trp Thr Pro Ser Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 955

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<400> 955

Phe	Glu	Trp	Thr	Pro	Asn	Tyr	Tyr	Gln	Xaa	Tyr
1				5					10	

<210> 956

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = naphthylalanine

<400> 956

Ser	His	Leu	Tyr	Xaa	Gln	Pro	Tyr	Ser	Val	Gln	Met
1				5					10		

<210> 957

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = naphthylalanine

<400> 957

Thr Leu Val Tyr Xaa Gln Pro Tyr Ser Leu Gln Thr  
1 5 10

<210> 958

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = naphthylalanine

<400> 958

Arg Gly Asp Tyr Xaa Gln Pro Tyr Ser Val Gln Ser  
1 5 10

<210> 959

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = naphthylalanine

<400> 959

Asn Met Val Tyr Xaa Gln Pro Tyr Ser Ile Gln Thr  
1 5 10

<210> 960

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 960

Val Tyr Trp Gln Pro Tyr Ser Val Gln  
1 5

<210> 961

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa = naphthylalanine

<400> 961

Val Tyr Xaa Gln Pro Tyr Ser Val Gln  
1 5

<210> 962

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, Xaa is an azetidine residue

<400> 962

Thr Phe Val Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10

<210> 963

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11, Xaa = p-benzoyl-L-phenylalanine

<400> 963

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Xaa  
1 5 10

<210> 964

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; Position 1, Xaa = acetylated Phe

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue;

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (11)..(11)

&lt;223&gt; Position 11, Xaa = p-benzoyl-L-phenylalanine.

&lt;400&gt; 964

Xaa	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	Xaa	Xaa
1				5					10	

&lt;210&gt; 965

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (8)..(8)

&lt;223&gt; Position 8, Xaa = p-benzoyl-L-phenylalanine

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue

<400> 965

Phe Glu Trp Thr Pro Gly Tyr Xaa Gln Xaa Tyr  
1 5 10

<210> 966

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = acetylated Phe

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Position 8, Xaa = p-benzoyl-L-phenylalanine;

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<400> 966

Phe Glu Trp Thr Pro Gly Tyr Xaa Gln Xaa Tyr  
1 5 10

<210> 967

<211> 11

<212> PRT

<213> Artificial Sequence



<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, Xaa = p-benzoyl-L-phenylalanine

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<400> 967

Phe Glu Trp Thr Pro Gly Xaa Tyr Gln Xaa Tyr  
1 5 10

<210> 968

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = acetylated Phe

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7, Xaa = p-benzoyl-L-phenylalanine

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<400> 968

Phe Glu Trp Thr Pro Gly Xaa Tyr Gln Xaa Tyr  
1 5 10

<210> 969

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = acetylated Phe

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa = p-benzoyl-L-phenylalanine

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<400> 969

Phe Glu Xaa Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 970

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = acetylated Phe

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa = p-benzoyl-L-phenylalanine

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa is an azetidine residue.

<400> 970

Phe Glu Xaa Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 971

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = p-benzoyl-L-phenylalanine

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue.

&lt;400&gt; 971

Xaa	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 972

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; Position 1, Xaa = acetylated p-benzoyl-L-phenylalanine

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Position 10, Xaa is an azetidine residue.

&lt;400&gt; 972

Xaa	Glu	Trp	Thr	Pro	Gly	Tyr	Tyr	Gln	Xaa	Tyr
1				5					10	

&lt;210&gt; 973

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> IL-1 ANTAGONIST PEPTIDE

<400> 973

Val Tyr Trp Gln Pro Tyr Ser Val Gln  
1 5

<210> 974

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 974

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 975

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = naphthylalanine

<400> 975

Arg Leu Val Tyr Xaa Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 976

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 976

Arg Leu Asp Tyr Trp Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 977

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 977

Arg Leu Val Trp Phe Gln Pro Tyr Ser Val Gln Arg  
1 5 10

<210> 978

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 978

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg  
1 5 10

<210> 979

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = D or Y

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa = D or S

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Position 4, Xaa = S, T or A;

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Position 5, Xaa = S or W

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa = S or Y

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Position 7 is any amino acid

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Position 8, Xaa = N, S, K, H or W

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Position 9, Xaa = F or L

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = D, N, S or L

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Position 11, Xaa = L, I, Q, M or A.

<400> 979

Xaa Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10

<210> 980

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 980

Asp Asn Ser Ser Trp Tyr Asp Ser Phe Leu Leu  
1 5 10

<210> 981

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE



&lt;400&gt; 981

Asp Asn Thr Ala Trp Tyr Glu Ser Phe Leu Ala  
 1 5 10

&lt;210&gt; 982

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 982

Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu  
 1 5 10

&lt;210&gt; 983

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 983

Pro Ala Arg Glu Asp Asn Thr Ala Trp Tyr Asp Ser Phe Leu Ile Trp  
 1 5 10 15

Cys

&lt;210&gt; 984

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 984

Thr Ser Glu Tyr Asp Asn Thr Thr Trp Tyr Glu Lys Phe Leu Ala Ser  
 1 5 10 15

Gln

<210> 985  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 985

Ser Gln Ile Pro Asp Asn Thr Ala Trp Tyr Gln Ser Phe Leu Leu His  
 1 5 10 15

Gly

<210> 986  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 986

Ser Pro Phe Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr  
 1 5 10 15

Tyr

<210> 987  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 987

Glu Gln Ile Tyr Asp Asn Thr Ala Trp Tyr Asp His Phe Leu Leu Ser  
1 5 10 15

Tyr

&lt;210&gt; 988

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 988

Thr Pro Phe Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr  
1 5 10 15

Tyr

&lt;210&gt; 989

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; IL-1 ANTAGONIST PEPTIDE

&lt;400&gt; 989

Thr Tyr Thr Tyr Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Met Ser  
1 5 10 15

Tyr

&lt;210&gt; 990

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 990

Thr Met Thr Gln Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Ser  
1 5 10 15

Tyr

<210> 991

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 991

Thr Ile Asp Asn Thr Ala Trp Tyr Ala Asn Leu Val Gln Thr Tyr Pro  
1 5 10 15

Gln

<210> 992

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 992

Thr Ile Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Ala Gln Tyr Pro  
1 5 10 15

Asp

<210> 993

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 993

His Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr Tyr Thr  
1 5 10 15

Pro

<210> 994

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 994

Ser Gln Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Ser Tyr Lys  
1 5 10 15

Ala

<210> 995

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 995

Gln Ile Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Leu Gln Tyr Asn  
1 5 10 15

Ala

<210> 996

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 996

Asn Gln Asp Asn Thr Ala Trp Tyr Glu Ser Phe Leu Leu Gln Tyr Asn  
1 5 10 15

Thr

<210> 997

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 997

Thr Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Asn His Asn  
1 5 10 15

Leu

<210> 998

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 998

His Tyr Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Gln Gln Gly Trp  
1 5 10 15

His

<210> 999

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 999

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 1000

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 1000

Tyr Ile Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 1001

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 1001

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 1002

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1, Xaa = phosphotyrosine

<220>

<221> misc\_feature

<222> (2)..(2)

<223> Position 2, Xaa = naphthylalanine

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Position 3, Xaa = phosphotyrosine

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, Xaa is an azetidine residue.

<400> 1002

Xaa Xaa Xaa Gln Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10

<210> 1003



<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 1003

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 1004

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1004

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 1005

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 1005

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu Ser  
 1 5 10 15

Asp

<210> 1006

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1006

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu  
 1 5 10 15

<210> 1007

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1007

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
 1 5 10

<210> 1008

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1008

Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 1009

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 1 is acetylated Phe  
Position 10, Xaa = azetidine

<400> 1009

Phe	Glu	Trp	Thr	Pro	Gly	Trp	Tyr	Gln	Xaa	Tyr

1

5

<210> 1010

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1010

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 1011

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1011

Phe Glu Trp Thr Pro Ala Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 1012

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1012

Phe Glu Trp Thr Pro Ala Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 1013

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1013

Phe Glu Trp Thr Pro Ala Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 1014

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1014

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 1015

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1015

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 1016

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1016

Phe Glu Trp Thr Pro Gly Tyr Trp Tyr Gln Xaa Tyr Ala Leu Pro Leu  
1 5 10 15

<210> 1017

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<400> 1017

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro  
1 5 10 15

Tyr Ala Leu Pro Leu  
20

<210> 1018

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, xaa = azetidine

<400> 1018

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr  
1 5 10

<210> 1019

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe



<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1019

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 1020

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine

<400> 1020

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr  
1 5 10

<210> 1021

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(110)

<223> Position 10, Xaa = azetidine.

<400> 1021

Phe	Glu	Trp	Thr	Pro	Ala	Tyr	Trp	Gln	Xaa	Tyr
1				5					10	

<210> 1022

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine.

<400> 1022

Phe Glu Trp Thr Pro Ala Trp Tyr Gln Xaa Tyr  
1 5 10

<210> 1023

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Position 1 is acetylated Phe

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Position 6, D amino acid residue

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Position 10, Xaa = azetidine.

<400> 1023

Phe Glu Trp Thr Pro Ala Tyr Tyr Gln Xaa Tyr  
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1

5

10

&lt;210&gt; 1024

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 1024

Gly Gly Leu Tyr Leu Cys Arg Phe Gly Pro Val Thr Trp Asp Cys Gly  
 1 5 10 15

Tyr Lys Gly Gly  
 20

&lt;210&gt; 1025

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 1025

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
 1 5 10 15

Pro Gln Gly Gly  
 20

&lt;210&gt; 1026

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO-MIMETIC PEPTIDE

&lt;400&gt; 1026

Gly Gly Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys  
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1

5

10

15

Pro Leu Gly Gly  
20

&lt;210&gt; 1027

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; VEGF-ANTAGONIST

&lt;400&gt; 1027

Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys Phe  
1 5 10 15

Glu Arg Leu

&lt;210&gt; 1028

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;400&gt; 1028

Cys Thr Thr His Trp Gly Phe Thr Leu Cys  
1 5 10

&lt;210&gt; 1029

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;400&gt; 1029

Val Gly Asn Tyr Met Cys His Phe Gly Pro Ile Thr Trp Val Cys Arg  
Page 401

1 5 15

Pro Gly Gly Gly  
20

<210> 1030

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO MIMETIC PEPTIDE

<400> 1030

Gly Gly Val Tyr Ala Cys Arg Met Gly Pro Ile Thr Trp Val Cys Ser  
1 5 10 15

Pro Leu Gly Gly  
20

<210> 1031

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF- ANTAGONIST

<400> 1031

Arg Gly Trp Val Glu Ile Cys Ala Ala Asp Asp Tyr Gly Arg Cys Leu  
1 5 10 15

Thr Glu Ala Gln  
20

<210> 1032

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 1032

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala  
1 5 10 15

Ala Arg Ala

<210> 1033

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 19 of the C-terminus

<400> 1033

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly

<210> 1034

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> TPO-MIMETIC

<220>

<221> misc\_feature

<223> Fc domain attached at Position 25 of the C-terminus

<400> 1034

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln Gly Gly Gly Gly Gly Gly Gly  
20 25

<210> 1035

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1035

Val Gly Asn Tyr Met Ala His Met Gly Pro Ile Thr Trp Val Cys Arg  
1 5 10 15

Pro Gly Gly

<210> 1036

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1036

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10 15

Pro Gln

<210> 1037

<211> 20

<212> PRT



<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1037

Gly Gly Leu Tyr Ala Cys His Met Gly Pro Met Thr Trp Val Cys Gln  
1 5 10 15

Pro Leu Arg Gly  
20

<210> 1038

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1038

Thr Ile Ala Gln Tyr Ile Cys Tyr Met Gly Pro Glu Thr Trp Glu Cys  
1 5 10 15

Arg Pro Ser Pro Lys Ala  
20

<210> 1039

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1039

Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10

<210> 1040

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO MIMETIC PEPTIDE

<400> 1040

Tyr Cys His Phe Gly Pro Leu Thr Trp Val Cys  
1 5 10

<210> 1041

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<400> 1041

Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
1 5 10

<210> 1042

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> EPO-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Xaa (Pos1) can be any one of the 20 L-amino acids; except Xaa (Pos1) may/may not be Y and Xaa (Pos1) may be any non-naturally occurring aromatic acid analog when Xaa (Pos1) is Y

<220>

<221> misc\_feature

<222> (2)..(8)

<223> Xaa (Pos2, 8) can be any one of the 20 L-amino acids

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa (Pos3) can be C, A, a-amino-y-bromobutyric acid or Hoc

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Xaa (Pos4) can be R, H, L or W

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Xaa (Pos5) can be M, F or I

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Xaa is any amino acid

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Xaa (Pos11) can be D, E, I, L or V

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Xaa (Pos12) can be C, A, a-amino-y-bromobutyric acid or Hoc provided that either Xaa (Pos3, 12) is C or Hoc.

<400> 1042

Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa  
1 5 10

<210> 1043

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(4)

<223> Xaa = any amino acid

<400> 1043

Asp Leu Xaa Xaa Leu  
1 5

<210> 1044

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 1044

Arg Thr Asp Leu Asp Ser Leu Arg Thr Tyr Thr Leu  
1 5 10

<210> 1045

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-ALPHA INHIBITOR

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 1045

Gly Gly Gly Gly Gly Asp Phe Leu Pro His Tyr Lys Asn Thr Ser Leu  
1 5 10 15

Gly His Arg Pro  
20

<210> 1046

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> TNF-ALPHA INHIBITOR

<220>

<221> misc\_feature

<223> Fc domain attached at Position 20 of the C-terminus

<400> 1046

Asp Phe Leu Pro His Tyr Lys Asn Thr Ser Leu Gly His Arg Pro Gly  
1 5 10 15

Gly Gly Gly Gly  
20

<210> 1047

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 R ANTAGONIST

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 1047

Gly Gly Gly Gly Gly Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr  
1 5 10 15

Ala Leu Pro Leu  
20

<210> 1048

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> IL-1 R ANTAGONIST

<220>

<221> misc\_feature

<223> Fc domain attached at Position 20 of the C-terminus

<400> 1048

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu Gly  
1 5 10 15

Gly Gly Gly Gly  
20

<210> 1049

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 1049

Gly Gly Gly Gly Gly Val Glu Pro Asn Cys Asp Ile His Val Met Trp  
 1 5 10 15

Glu Trp Glu Cys Phe Glu Arg Leu  
 20

<210> 1050

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<220>

<221> misc\_feature

<223> Fc domain attached at Position 24 of the C-terminus

<400> 1050

Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys Phe  
 1 5 10 15

Glu Arg Leu Gly Gly Gly Gly Gly  
 20

<210> 1051

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> MMP INHIBITOR

<220>

<221> misc\_feature

<223> Fc domain attached at Position 1 of the N-terminus

<400> 1051

Gly Gly Gly Gly Gly Cys Thr Thr His Trp Gly Phe Thr Leu Cys  
 1 5 10 15

&lt;210&gt; 1052

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Fc domain attached at Position 15 of the C-terminus

&lt;400&gt; 1052

Cys Thr Thr His Trp Gly Phe Thr Leu Cys Gly Gly Gly Gly Gly  
 1 5 10 15

&lt;210&gt; 1053

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;400&gt; 1053

Arg Thr Asp Leu Asp Ser Leu Arg Thr Tyr  
 1 5 10

&lt;210&gt; 1054

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;400&gt; 1054

Arg Thr Asp Leu Asp Ser Leu Arg Thr  
 1 5



&lt;210&gt; 1055

&lt;211&gt; 757

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; FC-TNF-ALPHA INHIBITORS

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (4)..(747)

&lt;223&gt;

&lt;400&gt; 1055

cat	atg	gac	aaa	act	cac	aca	tgt	cca	cct	tgt	cca	gct	ccg	gaa	ctc	48
	Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	
	1				5					10				15		
ctg	ggg	gga	ccg	tca	gtc	ttc	ctc	ttc	ccc	cca	aaa	ccc	aag	gac	acc	96
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	
				20					25					30		
ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca	tgc	gtg	gtg	gtg	gac	gtg	144
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	
			35					40					45			
agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	gtg	gac	ggc	gtg	192
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	
		50					55					60				
gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	cag	tac	aac	agc	240
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	
	65					70				75						
acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	288
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	
80					85					90					95	
aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	336
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	
				100					105					110		
ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	384
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	
			115					120					125			
cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat	gag	ctg	acc	aag	aac	cag	432
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	
		130					135					140				
gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	atc	gcc	480
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	
	145				150						155					
gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	528
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	
160					165					170					175	

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cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	576
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	
				180					185					190		
acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	624
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	
			195					200					205			
gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	672
Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	
		210					215					220				
ctg	tct	ccg	ggt	aaa	ggt	gga	ggt	ggt	ggt	gac	ttc	ctg	ccg	cac	tac	720
Leu	Ser	Pro	Gly	Lys	Gly	Gly	Gly	Gly	Gly	Asp	Phe	Leu	Pro	His	Tyr	
	225					230					235					
aaa	aac	acc	tct	ctg	ggt	cac	cgt	ccg	taatggatcc							757
Lys	Asn	Thr	Ser	Leu	Gly	His	Arg	Pro								
240					245											

<210> 1056

<211> 248

<212> PRT

<213> Artificial Sequence

<220>

<223> FC-TNF-ALPHA INHIBITORS

<400> 1056

Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu
1				5					10					15	
Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu
			20					25					30		
Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser
		35					40					45			
His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu
	50					55					60				
Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr
65					70				75						80
Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn
				85					90					95	
Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro
			100					105					110		
Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln
		115					120					125			

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Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Asp Phe Leu Pro His Tyr Lys  
225 230 235 240

Asn Thr Ser Leu Gly His Arg Pro  
245

<210> 1057

<211> 761

<212> DNA

<213> Artificial Sequence

<220>

<223> TNF-ALPHA INHIBITOR-FC

<220>

<221> CDS

<222> (4)..(747)

<223>

<400> 1057

cat	atg	gac	ttc	ctg	ccg	cac	tac	aaa	aac	acc	tct	ctg	ggt	cac	cgt	48
	Met	Asp	Phe	Leu	Pro	His	Tyr	Lys	Asn	Thr	Ser	Leu	Gly	His	Arg	
1					5					10					15	

ccg	ggt	gga	ggc	ggt	ggg	gac	aaa	act	cac	aca	tgt	cca	cct	tgc	cca	96
Pro	Gly	Gly	Gly	Gly	Gly	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	
			20						25					30		

gca	cct	gaa	ctc	ctg	ggg	gga	ccg	tca	ggt	ttc	ctc	ttc	ccc	cca	aaa	144

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Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	
			35					40					45			
ccc	aag	gac	acc	ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca	tgc	gtg	192
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	
		50					55					60				
gtg	gtg	gac	gtg	agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	240
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	
		65				70					75					
gtg	gac	ggc	gtg	gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	288
Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	
					85					90					95	
80																
cag	tac	aac	agc	acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc	ctg	cac	336
Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	
				100					105					110		
cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc	aac	aaa	384
Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	
			115					120					125			
gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	432
Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	
		130					135					140				
ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat	gag	ctg	480
Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	
		145				150					155					
acc	aag	aac	cag	gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	528
Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	
					165					170					175	
agc	gac	atc	gcc	gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	576
Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	
				180					185					190		
tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	624
Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	
			195					200					205			
tac	agc	aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	672
Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	
		210					215				220					
ttc	tca	tgc	tcc	gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	720
Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	
		225				230					235					
aag	agc	ctc	tcc	ctg	tct	ccg	ggt	aaa	taatggatcc	gcgg						761
Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys								
					245											
240																

<210> 1058

<211> 248

<212> PRT

<213> Artificial Sequence

<220>

&lt;223&gt; TNF-ALPHA INHIBITOR-FC

&lt;400&gt; 1058

Met Asp Phe Leu Pro His Tyr Lys Asn Thr Ser Leu Gly His Arg Pro  
 1 5 10 15  
 Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala  
 20 25 30  
 Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro  
 35 40 45  
 Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val  
 50 55 60  
 Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val  
 65 70 75 80  
 Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln  
 85 90 95  
 Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln  
 100 105 110  
 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala  
 115 120 125  
 Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro  
 130 135 140  
 Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr  
 145 150 155 160  
 Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser  
 165 170 175  
 Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr  
 180 185 190  
 Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr  
 195 200 205  
 Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe  
 210 215 220  
 Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys  
 225 230 235 240  
 Ser Leu Ser Leu Ser Pro Gly Lys  
 245

&lt;210&gt; 1059

&lt;211&gt; 763

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Fc-IL-1 ANTAGONIST

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (4)..(747)

&lt;223&gt;

&lt;400&gt; 1059

cat	atg	gac	aaa	act	cac	aca	tgt	cca	cct	tgt	cca	gct	ccg	gaa	ctc	48
	Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	
	1				5					10					15	
ctg	ggg	gga	ccg	tca	gtc	ttc	ctc	ttc	ccc	cca	aaa	ccc	aag	gac	acc	96
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	
				20					25					30		
ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca	tgc	gtg	gtg	gtg	gac	gtg	144
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	
			35					40					45			
agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	gtg	gac	ggc	gtg	192
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	
		50					55					60				
gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	cag	tac	aac	agc	240
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	
	65					70					75					
acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	288
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	
					85					90					95	
aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	336
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	
				100					105					110		
ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	384
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	
			115					120					125			
cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat	gag	ctg	acc	aag	aac	cag	432
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	
			130				135					140				
gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	atc	gcc	480
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	
	145					150					155					
gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	528
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	
	160				165					170					175	

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cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	576
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	
				180					185					190		
acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	624
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	
			195					200					205			
gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	672
Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	
		210					215					220				
ctg	tct	ccg	ggt	aaa	ggt	gga	ggt	ggt	ggt	ttc	gaa	tgg	acc	ccg	ggt	720
Leu	Ser	Pro	Gly	Lys	Gly	Gly	Gly	Gly	Gly	Phe	Glu	Trp	Thr	Pro	Gly	
	225					230					235					
tac	tgg	cag	ccg	tac	gct	ctg	ccg	ctg	taatggatcc	ctcgag						763
Tyr	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	Leu								
240					245											

<210> 1060

<211> 248

<212> PRT

<213> Artificial Sequence

<220>

<223> FC-IL-1 ANTAGONIST

<400> 1060

Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	
1				5					10					15		
Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	
			20					25					30			
Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	
		35					40					45				
His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	
	50					55					60					
Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	
65					70					75					80	
Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	
				85					90					95		
Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	
			100					105					110			
Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	
		115					120					125				

A-527A.ST25.txt

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Phe Glu Trp Thr Pro Gly Tyr  
225 230 235 240

Trp Gln Pro Tyr Ala Leu Pro Leu  
245

<210> 1061

<211> 757

<212> DNA

<213> Artificial Sequence

<220>

<223> IL-1 ANTAGONIST-FC

<220>

<221> CDS

<222> (4)..(747)

<223>

<400> 1061

cat	atg	ttc	gaa	tgg	acc	ccg	ggt	tac	tgg	cag	ccg	tac	gct	ctg	ccg	48
	Met	Phe	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Pro	Tyr	Ala	Leu	Pro	
	1				5				10					15		

ctg	ggt	gga	ggc	ggt	ggg	gac	aaa	act	cac	aca	tgt	cca	cct	tgc	cca	96
Leu	Gly	Gly	Gly	Gly	Gly	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	
				20					25					30		

gca	cct	gaa	ctc	ctg	ggg	gga	ccg	tca	ggt	ttc	ctc	ttc	ccc	cca	aaa	144
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



A-527A.ST25.txt

Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys		
			35					40					45				
ccc	aag	gac	acc	ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca	tgc	gtg	192	
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val		
		50					55					60					
gtg	gtg	gac	gtg	agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	240	
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr		
	65					70					75						
gtg	gac	ggc	gtg	gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	288	
Val	Asp	Gly	Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu		
					85					90					95		
cag	tac	aac	agc	acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc	ctg	cac	336	
Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His		
				100					105					110			
cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc	aac	aaa	384	
Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys		
			115					120					125				
gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	432	
Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln		
			130				135					140					
ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat	gag	ctg	480	
Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu		
	145					150					155						
acc	aag	aac	cag	gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	528	
Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro		
					165					170					175		
agc	gac	atc	gcc	gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	576	
Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn		
				180					185					190			
tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	624	
Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu		
				195				200					205				
tac	agc	aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	672	
Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val		
		210					215					220					
ttc	tca	tgc	tcc	gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	720	
Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln		
		225				230					235						
aag	agc	ctc	tcc	ctg	tct	ccg	ggt	aaa	taatggatcc							757	
Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys									
					245												

<210> 1062

<211> 248

<212> PRT

<213> Artificial Sequence

<220>

&lt;223&gt; IL-1 ANTAGONIST-Fc

&lt;400&gt; 1062

Met Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu  
 1 5 10 15  
 Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala  
 20 25 30  
 Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro  
 35 40 45  
 Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val  
 50 55 60  
 Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val  
 65 70 75 80  
 Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln  
 85 90 95  
 Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln  
 100 105 110  
 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala  
 115 120 125  
 Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro  
 130 135 140  
 Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr  
 145 150 155 160  
 Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser  
 165 170 175  
 Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr  
 180 185 190  
 Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr  
 195 200 205  
 Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe  
 210 215 220  
 Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys  
 225 230 235 240  
 Ser Leu Ser Leu Ser Pro Gly Lys  
 245

&lt;210&gt; 1063

&lt;211&gt; 773

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; FC-VEGF ANTAGONIST

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (4)..(759)

&lt;223&gt;

&lt;400&gt; 1063

cat	atg	gac	aaa	act	cac	aca	tgt	cca	ccg	tgc	cca	gca	cct	gaa	ctc	48
1	Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	15
ctg	ggg	gga	ccg	tca	gtt	ttc	ctc	ttc	ccc	cca	aaa	ccc	aag	gac	acc	96
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	20
ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca	tgc	gtg	gtg	gtg	gac	gtg	144
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	35
agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac	tgg	tac	gtg	gac	ggc	gtg	192
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	50
gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg	gag	gag	cag	tac	aac	agc	240
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	65
acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	288
Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	80
aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc	aac	aaa	gcc	ctc	cca	gcc	336
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	100
ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa	ggg	cag	ccc	cga	gaa	cca	384
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	115
cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat	gag	ctg	acc	aag	aac	cag	432
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	130
gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc	tat	ccc	agc	gac	atc	gcc	480
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	145
gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	528
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	160

## A-527A.ST25.txt

```

cct ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc      576
Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
180 185 190

acc gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc      624
Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
195 200 205

gtg atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc      672
Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
210 215 220

ctg tct ccg ggt aaa ggt ggt ggt ggt gtt gaa ccg aac tgt gac      720
Leu Ser Pro Gly Lys Gly Gly Gly Gly Val Glu Pro Asn Cys Asp
225 230 235

atc cat gtt atg tgg gaa tgg gaa tgt ttt gaa cgt ctg taactcgagg      769
Ile His Val Met Trp Glu Trp Glu Cys Phe Glu Arg Leu
240 245 250

atcc                                                                    773

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&lt;210&gt; 1064

&lt;211&gt; 252

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; FC-VEGF ANTAGONIST

&lt;400&gt; 1064

```

Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1      5      10      15

```

```

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20      25      30

```

```

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35      40      45

```

```

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
50      55      60

```

```

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65      70      75      80

```

```

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
85      90      95

```

```

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
100     105     110

```

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
 115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
 130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
 145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
 165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
 180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
 195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
 210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Val Glu Pro Asn Cys Asp Ile  
 225 230 235 240

His Val Met Trp Glu Trp Glu Cys Phe Glu Arg Leu  
 245 250

<210> 1065

<211> 773

<212> DNA

<213> Artificial Sequence

<220>

<223> VEGF ANTAGONIST-FC

<220>

<221> CDS

<222> (4)..(759)

<223>

<400> 1065

cat atg gtt gaa ccg aac tgt gac atc cat gtt atg tgg gaa tgg gaa  
 Met Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu  
 1 5 10 15

48

tgt ttt gaa cgt ctg ggt ggt ggt ggt ggt gac aaa act cac aca tgt  
 Cys Phe Glu Arg Leu Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys  
 20 25 30

96

## A-527A.ST25.txt

cca ccg tgc cca gca cct gaa ctc ctg ggg gga ccg tca gtt ttc ctc Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu 35 40 45	144
ttc ccc cca aaa ccc aag gac acc ctc atg atc tcc cgg acc cct gag Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu 50 55 60	192
gtc aca tgc gtg gtg gtg gac gtg agc cac gaa gac cct gag gtc aag Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys 65 70 75	240
ttc aac tgg tac gtg gac ggc gtg gag gtg cat aat gcc aag aca aag Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys 80 85 90 95	288
ccg cgg gag gag cag tac aac agc acg tac cgt gtg gtc agc gtc ctc Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu 100 105 110	336
acc gtc ctg cac cag gac tgg ctg aat ggc aag gag tac aag tgc aag Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys 115 120 125	384
gtc tcc aac aaa gcc ctc cca gcc ccc atc gag aaa acc atc tcc aaa Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys 130 135 140	432
gcc aaa ggg cag ccc cga gaa cca cag gtg tac acc ctg ccc cca tcc Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser 145 150 155	480
cgg gat gag ctg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys 160 165 170 175	528
ggc ttc tat ccc agc gac atc gcc gtg gag tgg gag agc aat ggg cag Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln 180 185 190	576
ccg gag aac aac tac aag acc acg cct ccc gtg ctg gac tcc gac ggc Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly 195 200 205	624
tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag agc agg tgg cag Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln 210 215 220	672
cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac aac Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn 225 230 235	720
cac tac acg cag aag agc ctc tcc ctg tct ccg ggt aaa taactcgagg His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys 240 245 250	769
atcc	773
<210> 1066	
<211> 252	
<212> PRT	
<213> Artificial Sequence	

&lt;220&gt;

&lt;223&gt; VEGF ANTAGONIST-Fc

&lt;400&gt; 1066

Met Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys  
 1 5 10 15

Phe Glu Arg Leu Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys Pro  
 20 25 30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe  
 35 40 45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val  
 50 55 60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe  
 65 70 75 80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro  
 85 90 95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr  
 100 105 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val  
 115 120 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala  
 130 135 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg  
 145 150 155 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly  
 165 170 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro  
 180 185 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser  
 195 200 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln  
 210 215 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His  
 225 230 235 240

A-527A.ST25.txt

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
 245 250

<210> 1067  
 <211> 748  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Fc-MMP INHIBITOR  
 <220>  
 <221> CDS  
 <222> (4)..(732)  
 <223>

<400> 1067	
cat atg gac aaa act cac aca tgt cca cct tgt cca gct ccg gaa ctc	48
Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu	
1 5 10 15	
ctg ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc	96
Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr	
20 25 30	
ctc atg atc tcc cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg	144
Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val	
35 40 45	
agc cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg	192
Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val	
50 55 60	
gag gtg cat aat gcc aag aca aag ccg cgg gag gag cag tac aac agc	240
Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser	
65 70 75	
acg tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg	288
Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu	
80 85 90 95	
aat ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc	336
Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala	
100 105 110	
ccc atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca	384
Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro	
115 120 125	
cag gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag	432
Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln	
130 135 140	
gtc agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc	480
Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala	
145 150 155	



A-527A.ST25.txt

gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag	aac	aac	tac	aag	acc	acg	528
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr	
160					165					170					175	
cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc	ttc	ctc	tac	agc	aag	ctc	576
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu	
				180					185					190		
acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg	aac	gtc	ttc	tca	tgc	tcc	624
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser	
			195					200					205			
gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac	acg	cag	aag	agc	ctc	tcc	672
Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser	
		210					215					220				
ctg	tct	ccg	ggt	aaa	ggt	gga	ggt	ggt	ggt	tgc	acc	acc	cac	tgg	ggt	720
Leu	Ser	Pro	Gly	Lys	Gly	Gly	Gly	Gly	Gly	Cys	Thr	Thr	His	Trp	Gly	
	225					230					235					
ttc	acc	ctg	tgc	taatggatcc	ctcgag											748
Phe	Thr	Leu	Cys													
240																

<210> 1068

<211> 243

<212> PRT

<213> Artificial Sequence

<220>

<223> FC-MMP INHIBITOR

<400> 1068

Met	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	
1				5					10					15		
Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	
			20					25					30			
Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	
		35					40					45				
His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	
	50					55					60					
Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	
65					70					75					80	
Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	
				85					90					95		
Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	
			100					105						110		

A-527A.ST25.txt

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val  
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val  
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro  
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr  
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val  
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu  
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Cys Thr Thr His Trp Gly Phe  
225 230 235 240

Thr Leu Cys

<210> 1069  
<211> 763  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> MMP INHIBITOR-FC  
<220>  
<221> CDS  
<222> (4)..(753)  
<223>

<400> 1069  
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Met Cys Thr Thr His Trp Gly Phe Thr Leu Cys Gly Gly Gly Gly  
1 5 10 15

ggg gac aaa ggt gga ggc ggt ggg gac aaa act cac aca tgt cca cct 96  
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Gly	Asp	Lys	Gly	Gly <sub>20</sub>	Gly	Gly	Gly	Gly	Asp	Lys <sub>25</sub>	Thr	His	Thr	Cys	Pro <sub>30</sub>	Pro			
tgc	cca	gca	cct	gaa	ctc	ctg	ggg	gga	ccg	tca	gtt	ttc	ctc	ttc	ccc				144
Cys	Pro	Ala	Pro <sub>35</sub>	Glu	Leu	Leu	Gly	Gly <sub>40</sub>	Pro	Ser	Val	Phe	Leu <sub>45</sub>	Phe	Pro				
cca	aaa	ccc	aag	gac	acc	ctc	atg	atc	tcc	cgg	acc	cct	gag	gtc	aca				192
Pro	Lys	Pro <sub>50</sub>	Lys	Asp	Thr	Leu	Met <sub>55</sub>	Ile	Ser	Arg	Thr	Pro <sub>60</sub>	Glu	Val	Thr				
tgc	gtg	gtg	gtg	gac	gtg	agc	cac	gaa	gac	cct	gag	gtc	aag	ttc	aac				240
Cys	Val <sub>65</sub>	Val	Val	Asp	Val	Ser <sub>70</sub>	His	Glu	Asp	Pro	Glu <sub>75</sub>	Val	Lys	Phe	Asn				
tgg	tac	gtg	gac	ggc	gtg	gag	gtg	cat	aat	gcc	aag	aca	aag	ccg	cgg				288
Trp	Tyr	Val	Asp	Gly	Val <sub>85</sub>	Glu	Val	His	Asn	Ala <sub>90</sub>	Lys	Thr	Lys	Pro	Arg <sub>95</sub>				
gag	gag	cag	tac	aac	agc	acg	tac	cgt	gtg	gtc	agc	gtc	ctc	acc	gtc				336
Glu	Glu	Gln	Tyr	Asn <sub>100</sub>	Ser	Thr	Tyr	Arg	Val <sub>105</sub>	Val	Ser	Val	Leu	Thr <sub>110</sub>	Val				
ctg	cac	cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	aag	tgc	aag	gtc	tcc				384
Leu	His	Gln	Asp <sub>115</sub>	Trp	Leu	Asn	Gly	Lys <sub>120</sub>	Glu	Tyr	Lys	Cys	Lys <sub>125</sub>	Val	Ser				
aac	aaa	gcc	ctc	cca	gcc	ccc	atc	gag	aaa	acc	atc	tcc	aaa	gcc	aaa				432
Asn	Lys	Ala <sub>130</sub>	Leu	Pro	Ala	Pro	Ile <sub>135</sub>	Glu	Lys	Thr	Ile	Ser <sub>140</sub>	Lys	Ala	Lys				
ggg	cag	ccc	cga	gaa	cca	cag	gtg	tac	acc	ctg	ccc	cca	tcc	cgg	gat				480
Gly	Gln <sub>145</sub>	Pro	Arg	Glu	Pro	Gln <sub>150</sub>	Val	Tyr	Thr	Leu	Pro <sub>155</sub>	Pro	Ser	Arg	Asp				
gag	ctg	acc	aag	aac	cag	gtc	agc	ctg	acc	tgc	ctg	gtc	aaa	ggc	ttc				528
Glu	Leu	Thr	Lys	Asn	Gln <sub>165</sub>	Val	Ser	Leu	Thr	Cys <sub>170</sub>	Leu	Val	Lys	Gly	Phe <sub>175</sub>				
tat	ccc	agc	gac	atc	gcc	gtg	gag	tgg	gag	agc	aat	ggg	cag	ccg	gag				576
Tyr	Pro	Ser	Asp	Ile <sub>180</sub>	Ala	Val	Glu	Trp	Glu <sub>185</sub>	Ser	Asn	Gly	Gln	Pro <sub>190</sub>	Glu				
aac	aac	tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	ggc	tcc	ttc				624
Asn	Asn	Tyr	Lys <sub>195</sub>	Thr	Thr	Pro	Pro	Val <sub>200</sub>	Leu	Asp	Ser	Asp	Gly <sub>205</sub>	Ser	Phe				
ttc	ctc	tac	agc	aag	ctc	acc	gtg	gac	aag	agc	agg	tgg	cag	cag	ggg				672
Phe	Leu	Tyr <sub>210</sub>	Ser	Lys	Leu	Thr	Val <sub>215</sub>	Asp	Lys	Ser	Arg	Trp <sub>220</sub>	Gln	Gln	Gly				
aac	gtc	ttc	tca	tgc	tcc	gtg	atg	cat	gag	gct	ctg	cac	aac	cac	tac				720
Asn	Val <sub>225</sub>	Phe	Ser	Cys	Ser	Val <sub>230</sub>	Met	His	Glu	Ala	Leu <sub>235</sub>	His	Asn	His	Tyr				
acg	cag	aag	agc	ctc	tcc	ctg	tct	ccg	ggt	aaa	taatggatcc								763
Thr	Gln	Lys	Ser	Leu	Ser <sub>245</sub>	Leu	Ser	Pro	Gly	Lys <sub>250</sub>									

<210> 1070

<211> 250

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR-Fc

&lt;400&gt; 1070

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Met Cys Thr Thr His Trp Gly Phe Thr Leu Cys Gly Gly Gly Gly Gly
1      5      10     15
Asp Lys Gly Gly Gly Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys
20     25     30
Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
35     40     45
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
50     55     60
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
65     70     75     80
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
85     90     95
Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
100    105    110
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
115    120    125
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
130    135    140
Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
145    150    155    160
Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
165    170    175
Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
180    185    190
Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
195    200    205
Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
210    215    220
Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
225    230    235    240

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Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
 245 250

<210> 1071

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 1071

Cys Gly Arg Glu Cys Pro Arg Leu Cys Gln Ser Ser Cys  
 1 5 10

<210> 1072

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 1072

Cys Asn Gly Arg Cys Val Ser Gly Cys Ala Gly Arg Cys  
 1 5 10

<210> 1073

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 1073

Cys Leu Ser Gly Ser Leu Ser Cys  
 1 5

<210> 1074

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1074

Asn Gly Arg Ala His Ala  
1 5

<210> 1075

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1075

Cys Asn Gly Arg Cys  
1 5

<210> 1076

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1076

Cys Asp Cys Arg Gly Asp Cys Phe Cys  
1 5

<210> 1077

<211> 7

<212> PRT

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1077

Cys Gly Ser Leu Val Arg Cys  
1 5

<210> 1078

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1078

Arg Thr Asp Leu Asp Ser Leu Arg  
1 5

<210> 1079

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1079

Gly Asp Leu Asp Leu Leu Lys Leu Arg Leu Thr Leu  
1 5 10

<210> 1080

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> INTEGRIN-BINDING PEPTIDE

<400> 1080

Gly Asp Leu His Ser Leu Arg Gln Leu Leu Ser Arg  
1 5 10

&lt;210&gt; 1081

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;400&gt; 1081

Arg	Asp	Asp	Leu	His	Met	Leu	Arg	Leu	Gln	Leu	Trp
1				5					10		

&lt;210&gt; 1082

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;400&gt; 1082

Ser	Ser	Asp	Leu	His	Ala	Leu	Lys	Lys	Arg	Tyr	Gly
1				5					10		

&lt;210&gt; 1083

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; INTEGRIN-BINDING PEPTIDE

&lt;400&gt; 1083

Arg	Gly	Asp	Leu	Lys	Gln	Leu	Ser	Glu	Leu	Thr	Trp
1				5					10		

&lt;210&gt; 1084

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence



<220>

<223> INTEGRIN-BINDING PEPTIDE

<400> 1084

Arg Gly Asp Leu Ala Ala Leu Ser Ala Pro Pro Val  
1 5 10

<210> 1085

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1085

Arg Gly Trp Val Glu Ile Cys Val Ala Asp Asp Asn Gly Met Cys Val  
1 5 10 15

Thr Glu Ala Gln  
20

<210> 1086

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1086

Gly Trp Asp Glu Cys Asp Val Ala Arg Met Trp Glu Trp Glu Cys Phe  
1 5 10 15

Ala Gly Val

<210> 1087

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1087

Arg Gly Trp Val Glu Ile Cys Glu Ser Asp Val Trp Gly Arg Cys Leu  
1 5 10 15

<210> 1088

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1088

Arg Gly Trp Val Glu Ile Cys Glu Ser Asp Val Trp Gly Arg Cys Leu  
1 5 10 15

<210> 1089

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1089

Gly Gly Asn Glu Cys Asp Ile Ala Arg Met Trp Glu Trp Glu Cys Phe  
1 5 10 15

Glu Arg Leu

<210> 1090

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF-ANTAGONIST

<400> 1090

Arg Gly Trp Val Glu Ile Cys Ala Ala Asp Asp Tyr Gly Arg Cys Leu  
1 5 10 15

<210> 1091

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> MMP INHIBITOR

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Xaa = any amino acid

<400> 1091

Cys Leu Arg Ser Gly Xaa Gly Cys  
1 5

<210> 1092

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> MMP INHIBITOR

<220>

<221> misc\_feature

<222> (2, 3, 8)..(9)

<223> Xaa = any amino acid.

<400> 1092

Cys Xaa Xaa His Trp Gly Phe Xaa Xaa Cys  
1 5 10

&lt;210&gt; 1093

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2)..(4)

&lt;223&gt; Xaa = any amino acid

&lt;400&gt; 1093

Cys Xaa Pro Xaa Cys  
1 5

&lt;210&gt; 1094

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;400&gt; 1094

Cys Arg Arg His Trp Gly Phe Glu Phe Cys  
1 5 10

&lt;210&gt; 1095

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MMP INHIBITOR

&lt;400&gt; 1095

Ser Thr Thr His Trp Gly Phe Thr Leu Ser  
1 5 10

<210> 1096

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> CTLA4-MIMETIC PEPTIDE

<400> 1096

Cys Ser Leu His Trp Gly Phe Trp Trp Cys  
1 5 10

<210> 1097

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> CARBOHYDRATE (GD1 ALPHA) MIMETIC PEPTIDE

<400> 1097

Trp His Trp Arg His Arg Ile Pro Leu Gln Leu Ala Ala Gly Arg  
1 5 10 15

<210> 1098

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> BETA-2GPI AB BINDING PEPTIDE

<400> 1098

Leu Lys Thr Pro Arg Val  
1 5

<210> 1099

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> BETA-2GPI AB BINDING PEPTIDE

<400> 1099

Asn Thr Leu Lys Thr Pro Arg Val  
1 5

<210> 1100

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> BETA-2GPI AB BINDING PEPTIDE

<400> 1100

Asn Thr Leu Lys Thr Pro Arg Val Gly Gly Cys  
1 5 10

<210> 1101

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> BETA-2GPI AB BINDING PEPTIDE

<400> 1101

Lys Asp Lys Ala Thr Phe  
1 5

<210> 1102

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> BETA-2GPI AB BINDING PEPTIDE

&lt;400&gt; 1102

Lys	Asp	Lys	Ala	Thr	Phe	Gly	Cys	His	Asp
1				5					10

&lt;210&gt; 1103

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; BETA-2GPI AB BINDING PEPTIDE

&lt;400&gt; 1103

Lys	Asp	Lys	Ala	Thr	Phe	Gly	Cys	His	Asp	Gly	Cys
1				5					10		

&lt;210&gt; 1104

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; BETA-2GPI AB BINDING PEPTIDE

&lt;400&gt; 1104

Thr	Leu	Arg	Val	Tyr	Lys
1				5	

&lt;210&gt; 1105

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; BETA-2GPI AB BINDING PEPTIDE

&lt;400&gt; 1105

Ala	Thr	Leu	Arg	Val	Tyr	Lys	Gly	Gly
1				5				

&lt;210&gt; 1106

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; BETA-2GPI AB BINDING PEPTIDE

&lt;400&gt; 1106

Cys Ala Thr Leu Arg Val Tyr Lys Gly Gly  
 1 5 10

&lt;210&gt; 1107

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MEMBRANE-TRANSPORTING PEPTIDE

&lt;400&gt; 1107

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu  
 1 5 10

&lt;210&gt; 1108

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; MEMBRANE-TRANSPORTING PEPTIDE

&lt;400&gt; 1108

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly  
 1 5 10

&lt;210&gt; 1109

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence



&lt;220&gt;

&lt;223&gt; MEMBRANE-TRANSPORTING PEPTIDE

&lt;400&gt; 1109

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu  
 1 5 10 15

Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu  
 20 25

&lt;210&gt; 1110

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; EPO MIMETIC PEPTIDE

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa (Pos1) is an amino-terminal peptide of from 2-4 natural alpha-amino acids in length

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (14)..(14)

&lt;223&gt; Xaa (Pos14) is a carboxy-terminal dipeptide

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (3, 4, 9, 11,)..(12)

&lt;223&gt; Xaa are independently natural alpha-amino acids.

&lt;400&gt; 1110

Xaa Cys Xaa Xaa Gly Trp Val Gly Xaa Cys Xaa Xaa Trp Xaa  
 1 5 10

&lt;210&gt; 1111

&lt;211&gt; 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL

<400> 1111

Cys Val His Ala Tyr Arg Ser  
1 5

<210> 1112

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE ANTIVIRAL PEPTIDE

<400> 1112

Cys Val His Ala Tyr Arg Ala  
1 5

<210> 1113

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE ANTIVIRAL PEPTIDE

<400> 1113

Cys Val His Ala Pro Arg Ser  
1 5

<210> 1114

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE ANTIVIRAL PEPTIDE

<400> 1114

Cys Val His Ala Pro Arg Ala  
1 5

<210> 1115

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR TNF-alpha INHIBITOR PEPTIDE

<400> 1115

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ggaggcgggtg ggacaaaaac t 81

<210> 1116

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTISENSE PCR PRIMER FOR FC-LINKER CONSTRUCT

<400> 1116

ccgcggatcc attacagcgg cagagcgtac ggctgccagt aaccgggggt ccattcgaaa 60  
ccaccacctc cacctttacc c 81

<210> 1117

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR TNF-alpha INHIBITOR PEPTIDE

<400> 1117

gaataacata tggtcgaatg gaccccggt tactggcagc cgtacgctct gccgctgggt 60  
ggaggcgggtg ggacaaaaac t 81

<210> 1118

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT VEGF MIMETIC PEPTIDE

<400> 1118

gttgaaccga actgtgacat ccatgttatg tgggaatggg aatgttttga acgtctg 57

<210> 1119

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE USED TO CONSTRUCT VEGF MIMETIC PEPTIDE

<400> 1119

cagacgttca aaacattccc attcccacat aacatggatg tcacagttcg gttcaac 57

<210> 1120

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> VEGF ANTAGONIST CONSTRUCT

<220>

<221> CDS

<222> (1)..(57)

<223>

<400> 1120

ggt gaa ccg aac tgt gac atc cat gtt atg tgg gaa tgg gaa tgt ttt 48  
Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys Phe  
1 5 10 15

gaa cgt ctg 57  
Glu Arg Leu

<210> 1121

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF ANTAGONIST CONSTRUCT

<400> 1121

Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys Phe  
1 5 10 15

Glu Arg Leu

<210> 1122

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR FC CONSTRUCT

<400> 1122

atttgattct agaaggagga ataacatatg gacaaaactc acacatgt

48

<210> 1123

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTI-SENSE PCR PRIMER FOR FC CONSTRUCT

<400> 1123

gtcacagttc ggttcaacac caccaccacc acctttaccc ggagacaggg a

51

<210> 1124

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR VEGF ANTAGONIST CONSTRUCT

<400> 1124

tccctgtctc cgggtaaagg tgggtggtggt ggtggtgaac cgaactgtga catc 54

<210> 1125

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTI-SENSE PCR PRIMER FOR VEGF ANTAGONIST CONSTRUCT

<400> 1125

ccgcggatcc tcgagttaca gacgttcaaa acattccca 39

<210> 1126

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> SENSE PCR PRIMER FOR VEGF ANTAGONIST CONSTRUCT

<400> 1126

atttgattct agaaggagga ataacatatg gttgaaccga actgtgac 48

<210> 1127

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> ANTI-SENSE PCR PRIMER FOR VEGF ANTAGONIST CONSTRUCT

<400> 1127

acatgtgtga gttttgtcac caccaccacc acccagacgt tcaaaacatt c 51

<210> 1128

<211> 51  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> SENSE PCR PRIMER FOR Fc CONSTRUCT

<400> 1128  
 gaatgttttg aacgtctggg tgggtgggtgg ggtgacaaaa ctcacacatg t 51

<210> 1129  
 <211> 39  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> ANTI-SENSE PCR PRIMER FOR Fc CONSTRUCT

<400> 1129  
 ccgcggatcc tcgagttatt tacccggaga cagggagag 39

<210> 1130  
 <211> 66  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> ANTI-SENSE PCR PRIMER FOR Fc-LINKER CONSTRUCT

<400> 1130  
 ccgcggatcc attagcacag ggtgaaaccc cagtgggtgg tgcaaccacc acctccacct 60  
 ttaccc 66

<210> 1131  
 <211> 63  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> SENSE PCR PRIMER FOR MMP INHIBITORY PEPTIDE

<400> 1131  
gaataacata tgtgcaccac ccactggggt ttcaccctgt gcggtggagg cggtggggac 60  
aaa 63

<210> 1132  
<211> 7  
<212> PRT  
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<220>  
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<400> 1132  
Cys Val His Ser Tyr Arg Ser  
1 5

<210> 1133  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE  
<400> 1133  
Cys Val His Ser Tyr Arg Ala  
1 5

<210> 1134  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE  
<400> 1134  
Cys Val His Ser Pro Arg Ser  
1 5

<210> 1135



<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE

<400> 1135

Cys Val His Ser Pro Arg Ala  
1 5

<210> 1136

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE

<400> 1136

Cys Val His Thr Tyr Arg Ser  
1 5

<210> 1137

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE

<400> 1137

Cys Val His Thr Tyr Arg Ala  
1 5

<210> 1138

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE

<400> 1138

Cys Val His Thr Pro Arg Ser  
1 5

<210> 1139

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTIPROLIFERATIVE, ANTIVIRAL PEPTIDE

<400> 1139

Cys Val His Thr Pro Arg Ala  
1 5

<210> 1140

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> ANTI-ISCHEMIC, GROWTH HORMONE-LIBERATING PEPTIDE

<400> 1140

His Trp Ala Trp Phe Lys  
1 5

<210> 1141

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> VEGF ANTAGONIST PEPTIDE

<400> 1141

Gly Glu Arg Trp Cys Phe Asp Gly Pro Leu Thr Trp Val Cys Gly Glu  
Page 454

Glu Ser

<210> 1142

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (2)..(2)

<223> At position 2, Xaa is L-lys, D-lys, or an ornithyl residue

<220>

<221> misc\_feature

<222> (3)..(3)

<223> At position 3, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1142

Ala Xaa Xaa Xaa  
1

<210> 1143  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> VIP-MIMETIC PEPTIDE  
 <220>  
 <221> misc\_feature  
 <222> (2)..(2)  
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<220>  
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 <222> (3)..(3)  
 <223> At position 3, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>  
 <221> misc\_feature  
 <222> (4)..(4)  
 <223> At position 4, Xaa is a hydrophilic aliphatic amino acid residue

<220>  
 <221> misc\_feature  
 <222> (4)..(4)  
 <223> At position 4, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1143  
 Val Xaa Xaa Xaa  
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<210> 1144  
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<212>  PRT
<213>  Artificial Sequence

<220>
<223>  VIP-MIMETIC PEPTIDE
<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  At position 3, Xaa is L-lys, D-lys, or an ornithyl residue

<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  At position 4, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenyla
      lanyl residue

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  At position 5, Xaa is a hydrophilic aliphatic amino acid residue

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  At position 5, optional attachment to leu, norleucyl, D-ala, Asn-
      ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu,
      or asn-ser-tyr-leu-asn

<400>  1144
Ala Val Xaa Xaa Xaa
1      5

<210>  1145
<211>  5
<212>  PRT
<213>  Artificial Sequence

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<220>

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<223> At position 3, Xaa is L-lys, D-lys, or an ornithyl residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>

<221> misc\_feature

<222> (5)..(5)

<223> At position 5, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (5)..(5)

<223> At position 5, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1145

Val Ala Xaa Xaa Xaa  
1 5

<210> 1146

<211> 4

<212> PRT

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<223> VIP-MIMETIC PEPTIDE

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<221> misc\_feature

<222> (2)..(2)

<223> At position 2, Xaa is L-lys, D-lys, or an ornithyl residue

<220>

<221> misc\_feature

<222> (3)..(3)

<223> At position 3, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanyl residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1146

Lys Xaa Xaa Xaa  
1

<210> 1147

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (3)..(3)

<223> At position 3, Xaa is L-lys, D-lys, or an ornithyl residue

<220>

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<222> (4)..(4)

<223> At position 4, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanyl residue

<220>

<221> misc\_feature

<222> (5)..(5)

<223> At position 5, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (5)..(5)

<223> At position 5, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1147

Ala Lys Xaa Xaa Xaa  
1 5

<210> 1148

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

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<222> (3)..(3)

<223> At position 3, Xaa is L-lys, D-lys, or an ornithyl residue



<220>  
 <221> misc\_feature  
 <222> (4)..(4)  
 <223> At position 4, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>  
 <221> misc\_feature  
 <222> (5)..(5)  
 <223> At position 5, Xaa is a hydrophilic aliphatic amino acid residue

<220>  
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 <222> (5)..(5)  
 <223> At position 5, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1148  
 Val Lys Xaa Xaa Xaa  
 1 5

<210> 1149  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 <221> misc\_feature  
 <222> (4)..(4)  
 <223> At position 4, Xaa is L-lys, D-lys, or an ornithine residue

<220>  
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<222> (5)..(5)

<223> At position 5, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> At position 6, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> At position 6, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1149

Ala Val Lys Xaa Xaa Xaa  
1 5

<210> 1150

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is L-lys, D-lys, or an ornithine residue

<220>

<221> misc\_feature

<222> (5)..(5)

<223> At position 5, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> At position 6, xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (6)..(6)

<223> At position 6, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1150

Val Ala Lys Xaa Xaa Xaa  
1 5

<210> 1151

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> VIP-MIMETIC PEPTIDE

<220>

<221> misc\_feature

<222> (1)..(1)

<223> At position 1, Xaa is ornithyl

<220>

<221> misc\_feature

<222> (2)..(2)

<223> At position 2, Xaa is L-lys, D-lys, or an ornithyl residue

<220>

<221> misc\_feature

<222> (3)..(3)

<223> At position 3, Xaa is L-tyr, D-tyr, phe, trp, or a p-aminophenylalanine residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, Xaa is a hydrophilic aliphatic amino acid residue

<220>

<221> misc\_feature

<222> (4)..(4)

<223> At position 4, optional attachment to leu, norleucyl, D-ala, Asn-ser, asn-ser-ile, asn-ser-tyr, asn-ser-ile-leu, asn-ser-tyr-leu, or asn-ser-tyr-leu-asn

<400> 1151

Xaa Xaa Xaa Xaa  
1

<210> 1152

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Butoxycarbonyl group attached to the amino terminus.

<220>

<221> misc\_feature

<222> (2, 5, 24 and)..(27)

<223> Tert-butyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (7, 13, 29 and)..(35)

<223> 2,2,4,6,7-pendamethyldihydrobenzofuran-5-sulfonyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (8 and)..(30)

<223> Trityl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (9 and)..(31)

<223> Butoxycarbonyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (18)..(18)

<223> 1-(4,4-dimethyl-2,6-dioxo-cyclohexylidene)ethyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (36)..(36)

<223> Methoxy resin attached to the carboxyl terminus.

<400> 1152

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 1153

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Butoxycarbonyl group attached to the amino terminus.

<220>

<221> misc\_feature

<222> (2, 5, 24 and)..(27)

<223> Tert-butyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (7, 13, 29, and)..(35)

<223> 2,2,4,6,7-pendamethyldihydrobenzofuran-5-sulfonyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (8 and)..(30)

<223> Trityl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (9 and)..(31)

<223> Butoxycarbonyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (36)..(36)

<223> Methoxy resin attached to the carboxyl terminus.

<400> 1153

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 1154

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

<220>

<221> misc\_feature

<222> (1)..(1)

<223> Butoxycarbonyl group attached to the amino terminus.

<220>

<221> misc\_feature

<222> (2, 5, 24 and)..(27)

<223> Tert-butyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (7, 13, 29 and)..(35)

<223> 2,2,4,6,7-pendamethyldihydrobenzofuran-5-sulfonyl group attached to the sidechain.

<220>

<221> misc\_feature  
 <222> (8 and)..(30)  
 <223> Trityl group attached to the sidechain.

<220>  
 <221> misc\_feature  
 <222> (9 and)..(31)  
 <223> Butoxycarbonyl group attached to the sidechain.

<220>  
 <221> misc\_feature  
 <222> (18)..(18)  
 <223> Bromoacetyl group attached to the sidechain.

<220>  
 <221> misc\_feature  
 <222> (36)..(36)  
 <223> Methoxy resin attached to the carboxyl terminus.

<400> 1154  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15  
 Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30  
 Ala Ala Arg Ala  
 35

<210> 1155  
 <211> 36  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION  
 <220>



<221> misc\_feature

<222> (18)..(18)

<223> Bromoacetyl group attached to the sidechain.

<400> 1155

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 1156

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

<220>

<221> misc\_feature

<222> (2, 5, 24 and)..(27)

<223> Tert-butyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (7, 13, 29 and)..(35)

<223> 2,2,4,6,7-pendamethyldihydrobenzofuran-5-sulfonyl group attached to the sidechain.

<220>

<221> misc\_feature

<222> (8, 18 and)..(30)

<223> Trityl group attached to the sidechain.

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (9 and)..(31)

&lt;223&gt; Butoxycarbonyl group attached to the sidechain.

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (36)..(36)

&lt;223&gt; methoxy resin attached to the carboxyl terminus

&lt;400&gt; 1156

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

&lt;210&gt; 1157

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PEPTIDE SEQUENCE MODIFIED FOR PEGYLATION

&lt;400&gt; 1157

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35